ANNUAL REPORT

OF

THE MINES BRANCH

OF THE

Department of Lands and Mines

OF THE

PROVINCE OF ALBERTA

1938

EDMONTON:
A. SHNITKA, KING'S PRINTER
1939

EDMONTON, ALBERTA,
March 7th, 1939.

TO THE HON. N. E. TANNER,
Minister of Lands and Mines.

SIR:

I herewith submit the report of The Mines Branch for the year ending December 31, 1938.

Respectfully submitted,

A. A. MILLAR,
Chief Inspector of Mines.

ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31st, 1938

(ANDREW A. MILLAR, *Chief Inspector*)

The output of coal produced from mines in the Province during the year was 5,230,025 tons, with a valuation of $13,702,983.41, being a decrease of 321,657 tons from the output of 1937.

In addition to the above tonnage, there were 585 tons produced by farmers under permit, for their own use, which has not been included in the total output. There has been a considerable tonnage produced by bootleg methods of which we have no record.

Coal produced during 1937 by the Blackfoot Indians and not included in the 1937 output amounted to 9,788 tons with a value of $22,781.40.

The disposition of coal during the year was as follows: 1,278,932 tons sold for consumption in Alberta, 1,737,499 tons sold for consumption in other Provinces of Canada; 32,507 tons sold for consumption in the United States; 1,871,852 tons sold to railroad companies for locomotive use; 39,302 tons used in making briquettes; 103,498 tons used making coke; 136,833 tons used under colliery boilers; 6,240 tons used by colliery railroads; 44,659 tons were put to stock and 36,173 tons were put to waste. The above tonnages include coal lifted from stock and waste heaps, which is not included in the total output.

The coal produced by farmers under permits is not included in the total output neither are the particulars as to men and shifts producing such coal included in any tables—this information being given in a separate table, this being done in order that there should be no confusion of the regular statistics.

The decrease in output may be accounted for by the extreme mild weather during the fall of the year and the reduced tonnage taken by the railroad companies. Compared with 1937, 47,122 tons less were sold in Alberta, 117,893 tons less to other Provinces and 156,537 tons less to the railroad companies.

There were 302 mines operating during the year, of which 21 were opened, 3 re-opened and 17 abandoned. In addition to the mines abandoned, there were 28 mines temporarily closed, leaving 259 mines in operation as at December 31st, 1938.

There were 316 persons examined during the year for certificates of competency as coal miners, of whom 263 were successful, making a total of 14,998 certificates issued to coal miners as at December 31st, 1938.

During the year the following changes took place in the staff of the Mines Branch: Mr. D. B. Young resigned as District Inspector of Mines to accept a position as manager with the Mohawk Bituminous Mines Limited, Bellevue, and was succeeded by Mr. E. H. Morgan, with headquarters at Blairmore, Alberta.

At the end of the year Mr. James A. Richards was superannuated, and Mr. A. B. Hunter was appointed to succeed Mr.

Richards, the vacancy resulting not having been filled at the end of the year.

Samples of mine air were taken at several mines during the year by the inspectors, the samples being forwarded to the Chemistry Branch of the Department of Mines, Ottawa, for analyses.

Extensive gas surveys have been made with the M.S.A. Model W-8 Methane Detector at various mines during the year, this instrument being effective in detecting low percentages of Methane.

Samples of coal have been collected and forwarded to the Industrial Research Department, University of Alberta, for analyses.

Samples of coal dust and dust taken from the roadways of various mines have also been submitted to the Research Department who have conducted tests on same to determine the degree of inflammability of the various coals.

All fatal and serious accidents have been investigated by the inspectors, who have also attended the inquests in their areas, this being in addition to the regular inspection of mines.

The total number of fatal accidents was 21, as compared with 20 in 1937.

There were 32 prosecutions instituted under The Coal-mines Regulation Act, of which 10 were officials, 1 electrician, 18 miners, 1 gripper and 2 no occupation.

There were 24,611,920 K.W. Hrs. of purchased electrical power used by mines in the Province during the year, the distribution of purchased power used by mines in the various areas being as follows: Big Valley, 8,320 K.W. Hrs. being purchased from the Union Power Company, Limited, of Drumheller, who also supplied 103,066 K.W. Hrs. to mines in Carbon and 3,629,055 K.W. Hrs. to mines in the Drumheller Area. The Calgary Power Company, Limited, supplied electrical power to mines in areas as follows: Camrose 7,850 K.W. Hrs., Gleichen 2,958 K.W. Hrs., Lethbridge 10,970,520 K.W. Hrs., Taber 10,950 K.W. Hrs., Nordegg 1,203,200 K.W. Hrs., Saunders 75,600 K.W. Hrs., and Edmonton 414,400 K.W. Hrs. The City of Edmonton also supplied 929,101 K.W. Hrs. to mines in the Edmonton Area. The East Kootenay Power Company, Limited, supplied 7,188,560 K.W. Hrs. to mines in the Crowsnest Area. The City of Medicine Hat supplied 68,340 K.W. Hrs. to mines in the Redcliff Area. Two mines in the Coalspur Area exchanged 64,400 K.W. Hrs. of electrical power, this being in addition to the power generated and used at various mines.

There were 9,259 men employed during the month of December, being a decrease of 97 men from the corresponding month in 1937.

Due to abnormal gas conditions and other attendant problems at the mines of the Cadomin Coal Company, Limited, and Luscar Coals Limited, both bituminous mines on the Mountain Park Branch of the Canadian National Railways, the Government specially appointed Mr. Thomas Graham, Consulting Mining Engineer of Comox, British Columbia, to examine and report on conditions at these mines and to make such recommendations as he thought would be helpful towards providing a solution to the difficulties encountered.

Mr. Graham made a number of recommendations and same have in each instance been carried out. At Cadomin, to drain off the gas, a drill hole was tried, same being 6 inches in diameter and 700 feet in depth to the seam.

From tests made this hole was found to be passing 656,640 cubic feet of air and gas per twenty-four hours, composed of:

276,250 cubic feet of methane,
291,816 cubic feet of air,
88,574 cubic feet of black damp.

656,640 cubic feet.

A drill hole is to be drilled in each panel of work, and while this has not provided a full solution to the problem, much benefit seems to have been obtained from same.

Luscar Coals Limited installed a new Jeffrey Aerodyne ventilating fan of 150,000 cubic feet capacity, driven by a 150 H.P. motor at 1,135 rev. per minute, and made various changes underground to help improve conditions.

Explosion at Hinton Collieries Limited, Hinton.

On March 30th, 1938, at 4:15 p.m., a gas explosion took place at the mine operated by the Hinton Collieries Limited, near Hinton, at the face of No. 11 room in No. 5 right entry.

Five men were killed and five burned by the explosion. Gas had been allowed to accumulate at the face of No. 11 room, this room having a face 78 feet wide, same being cut with a Sullivan coal cutter of the permissible type.

The men had gone on shift at 4 p.m., and about fifteen minutes after they had got to the face an electric drill was started to drill a hole in the coal for a shot.

The motor of the drill was found afterwards to be burned out, and it evidently had been overloaded. It is believed that either sparking or the burning of the motor ignited gas and caused the explosion.

Edison mining electric cap lamps had been used in this mine for over two months and were being used at the time of the explosion.

The mine was required to be inspected by competent persons with a flame type safety lamp. The manager was given permission to install an electric drill of which the motor had to be enclosed.

The mine was not examined with a flame type safety lamp, and the motor of the drill used was not of the enclosed type.

The method of ventilating the room by stretching brattice up the centre of a 78-feet wide room was bad, to say the least, more so as none was carried across the face.

Neglect of these matters was the cause of the explosion.

Use of Cardox for Blasting.

During the year two mines obtained permission to use Cardox for blasting coal, viz., Standard Mine operated by the Lethbridge Collieries Limited, near Lethbridge, and the Regal Coal Company Limited at East Coulee. It is reported very good results have been

obtained with its use, by both companies, and practically all blasting in coal at both these mines is now carried on exclusively with Cardox.

The inspectors in both districts have kept in close touch with the use of the Cardox, and reported favourably upon it from the standpoint of its improving the size of the coal and its desirability from a safety standpoint, as there is practically no smoke and the fire hazard is practically nil.

The Cardox shells have been improved since the earlier trials were made in the Province, and there is less danger from their being projected from the drill holes than formerly was the case.

Air samples have been taken in places immediately after blasting with Cardox and sent to Ottawa for analyses.

The results show but a very small increase of the carbon dioxide content arising from the Cardox and practically none of carbon monoxide gas.

Sheated Explosives.

Permissible sheathed explosives have been tried in some of the bituminous mines with the idea of ensuring greater safety, but the cost is considerably higher as compared with the ordinary permitted explosive. It was also found that the sheathing or "cooling element" reduces to some extent the efficiency of the explosive itself. To date very little progress has been made in the matter of using "sheathed expsosives."

No serious strikes or labour disturbances have occurred during the year, but conciliation boards dealt with wage questions and agreements covering the steam coal-mines, presided over by Justice A. A. McGillivray; Lethbridge district by Justice H. W. Lunney, and in the Drumheller district by Mr. H. A. Dyde, of Edmonton.

Wage increases ranging from 5 to 10 per cent. were awarded and other adjustments made in the agreements.

In the other districts similar increases were arranged between the operators and the workmen.

At all the bituminous mines there is a tendency to reduce the number of shots fired and to limit the use of explosives wherever possible, which is desirable from a safety standpoint.

Notwithstanding the slackness in the coal trade, considerable plant improvements have been made at various mines in the Province, the following being some of them:

The International Mine is gradually replacing the structural work with fireproof material. A Vissac jig, two de-watering screens, a Vissac dryer and a 66,000 gallon slurry cone have recently been added to the equipment. Additional precautions have also been taken to safeguard against lightning entering the mine by the installation of a capacitor and other connecting equipment.

Considerable rock work with the object of improving haulage, ventilation and reducing maintenance costs is still being carried on, and the "A" level rock tunnel is now 3,000 feet inbye from the old slope.

At the McGillivray Mine a new conveyor belt 25 feet by 18 inches, driven by a 5 H.P. motor with a worm reduction gear, all

totally enclosed, for taking dry coal from the rotary dryer, was installed; also one 110 foot by 24 inch conveyor for taking the coal back to the dry cleaning plant, the driving unit being similar to the one already mentioned.

At the Greenhill Mine, Blairmore, a new conveyor belt for taking the raw coal direct from the screens at the north end of the tipple to the top of the Hummer Screen; a small elevator to take the re-screenings from No. 1 wet washer, a bin and elevator to take care of the surplus house coal, have been installed.

During the year 2,000 feet of roadway has been steel timbered. A new turbine pump was installed at No. 6 level pump house with a capacity of 500 gallons per minute, same directly connected to a 100 H.P. 550 volt 3-phase squirrel cage motor.

At Bellevue Mine considerable changes have been made towards improving the washing and drying of the coal.

The Mohawk Bituminous Mines, Limited, Bellevue, has installed a calcium chloride treating plant for spraying the commercial coal to allay the dust; also a 24-inch belt conveyor 120 feet long to handle coal now in demand for stoker use. Same has a capacity of 30 tons per hour and is driven by a 20 H.P. motor, delivering the coal into a storage bin.

At the Brazeau Collieries Limited, Nordegg, the coal is treated by dry and wet washing. The briquetting plant is now in operation, and has a capacity of 10 tons per hour.

Edison lamps of the "K" Model, replacing the older type, have been put in service at this mine.

At the Canmore Mines, Limited, Canmore, development is being carried on in a new seam which appears to underlie the Carey seam. Three hundred tons per day is being produced from same. The development is by means of a slope driven on the full pitch, and the opening is about two miles from the present tipple, the coal being hauled over a surface track by compressed air locomotives.

The No. 8 Mine of the Lethbridge Collieries Limited, Lethbridge, has installed a new 80-inch diameter fan of the Torpedo Screw type, made by Messrs. Thermotank Ltd., Goran, Scotland. The fan is delivering 80,000 cubic feet of air per minute against a water gauge of 2.5 inches, and is designed and installed for an ultimate duty of 150,000 cubic feet against a water gauge of 4.5 inches.

At the Federal Mine, Lethbridge, Edison Model "K" electric miners' lamps have been put in service, and the mine put on a safety lamp basis.

At the Cambrian Mine of the Western Gem & Jewel Collieries Limited, near Rosedale, a new tipple has been erected and a hotel and other townsite buildings provided. The whole of the output is being produced from mechanized longwall.

The Brilliant Mine, Drumheller, installed a Mancha Permissible storage battery locomotive with spare battery box and charging equipment. One Ottumwa box car loader for handling small sizes was installed.

The Alberta Block Coal Co. Limited, Drumheller, has installed an Ottumwa box car loader electrically driven by a 22 H.P. motor.

One main and tail hoist with two geared drums and 25 H.P. enclosed motor with approved starting and control equipment and Sullivan coal cutter have been put into service at the Monarch Coal Mining Company Limited, Drumheller.

The Murray Mine at East Coulee has installed a storage battery locomotive with spare set of batteries; one 17 K.W. D.C. generator charging panel, and other electrical equipment.

The Regal Mine, at East Coulee, installed one Aerovane fan and motor and two electric coal drills.

In addition to the rescue station at Drumheller, a sub-station has been built at the Regal Mine and equipped with first aid and mine rescue equipment.

The Mountain Park Coals Limited installed a Vissac tipple wet washer and de-watering plant. Extension of the power and boiler houses was also made, and two Babcock and Wilcox boilers, 350 H.P. each, and a 750 K.W. Allis Chalmer turbo-generator installed.

At the Cadomin Coal Co. Limited, Cadomin, an Ottumwa box car loader was installed, also an Everhart pneumatic shaft signalling system.

At the Coal Valley Mining Co. Limited, Coal Valley, three 250 H.P. Babcock and Wilcox boilers with chain grate stokers, bunker storage and induced fan draft, together with other equipment, have been installed.

The Sterling Collieries Company Limited installed a Jeffrey single roll crusher screw conveyor to take product from crusher to cleaning tables. Air tables enclosed and four cycline type dust collectors installed.

One new building erected, 56 ft. by 32 ft., part for warehouse and the remainder as a shop in which to build Risdone stokers, and other screening plant was also installed.

Mine rescue stations were erected and equipped at Luscar, Cadomin, Hinton and other mines on the Coal Branch.

A number of mines in the Edmonton District installed ventilating fans.

In the Toronto office, Mr. E. S. Clarry continued the efforts to extend the sales of Alberta coals in the Ontario market.

ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1937:

Calendar Year	Short Tons	Value
1886	43,220	$ 81,112
1887	74,152	157,577
1888	115,124	183,354
1889	97,364	179,640
1890	128,753	198,298
1891	174,131	437,243
1892	178,970	460,605
1893	230,070	586,260
1894	184,940	473,827
1895	169,885	382,526
1896	209,162	581,832
1897	242,163	630,408
1898	315,088	787,720
1899	309,600	774,000
1900	311,450	778,625
1901	340,275	850,687
1902	402,819	960,601
1903	495,893	1,117,541
1904	661,732	1,404,524
1905	931,917	1,993,915
1906	1,246,360	2,614,762
1907	1,591,579	3,836,286
1908	1,685,661	4,127,311
1909	1,994,741	4,838,109
1910	2,894,469	7,065,736
1911	1,511,036	3,979,264
1912	3,240,577	8,113,525
1913	4,014,755	10,418,941
1914	3,683,015	9,350,392
1915	3,360,818	8,283,079
1916	4,559,054	11,386,577
1917	4,736,368	14,153,685
1918	5,972,816	20,537,287
1919	4,933,660	18,205,205
1920	6,907,765	30,186,933
1921	5,909,217	27,246,514
1922	5,990,911	24,351,913
1923	6,854,397	28,018,303
1924	5,189,729	18,884,318
1925	5,869,031	20,021,484
1926	6,503,705	20,886,103
1927	6,934,162	21,982,058
1928	7,336,330	23,532,414
1929	7,150,693	22,928,182
1930	5,755,528	18,063,225
1931	4,564,015	13,342,675
1932	4,870,648	13,526,309
1933	4,718,788	12,307,258
1934	4,753,810	12,556,099
1935	5,462,894	14,094,795
1936	5,696,960	14,659,705
1937	5,562,839	14,563,911
Total	157,073,039	$491,082,653

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. From 1919 to 1937 the mine output figures are given.

ANNUAL CONSUMPTION OF COAL IN CANADA, 1902-1937

The following revised table is taken from the report issued by the Dominion Bureau of Statistics for the year 1937:

Year	Canadian*		Imported coal "Entered for consumption"				Total	Per Capita
			From U.S.A.	From Great Britain	Total†			
	Short tons	%	Short tons	Short tons	Short tons	%	Short tons	
1902	5,376,413	53.1	4,656,286	101,726	4,734,559	46.9	10,110,972	1.840
1903	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7	12,684,185	2.245
1904	6,697,183	47.9	7,238,869	85,687	7,297,482	52.1	13,994,665	2.402
1905	7,032,661	49.4	7,233,738	68,500	7,215,446	50.6	14,249,107	2.374
1906	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5	15,685,885	2.573
1907	8,617,352	45.0	10,588,697	54,325	10,549,503	55.0	19,166,855	2.990
1908	8,156,478	47.3	10,203,335	97,514	10,195,424	52.7	19,351,902	2.921
1909	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1	18,625,202	2.739
1910	10,532,103	50.2	10,545,451	51,541	10,437,123	49.8	20,970,226	3.001
1911	9,822,749	40.5	14,510,129	48,963	14,424,949	59.5	24,247,698	3.364
1912	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0	26,934,800	3.645
1913	13,450,158	42.6	18,145,769	37,825	18,132,387	57.4	31,582,545	4.138
1914	12,214,403	45.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3.408
1915	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9	23,906,692	2.995
1916	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,865,856	3.733
1917	12,313,603	37.2	20,848,009	9,451	20,810,132	62.8	33,123,735	4.110
1918	13,160,731	37.8	21,674,826	3,761	21,611,101	62.2	34,771,832	4.268
1919	11,611,168	40.3	17,292,913	344	17,236,269	59.7	28,847,437	3.471
1920	14,025,566	42.9	18,752,981	...	18,668,741	57.1	32,694,307	3.821
1921	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9	30,974,121	3.525
1922	13,044,352	50.2	12,255,555	765,980	12,962,189	49.8	26,006,541	2.916
1923	15,070,962	41.8	20,417,239	572,570	20,967,971	58.2	36,038,933	4.000
1924	12,529,358	42.8	16,405,344	317,112	16,714,143	57.2	29,243,501	3.198
1925	12,125,290	42.6	15,744,957	604,117	16,331,971	57.4	28,457,261	3.062
1926	15,086,296	47.7	16,204,405	287,299	16,565,555	52.3	31,651,851	3.349
1927	15,944,983	46.7	17,266,434	907,220	18,177,303	53.3	34,122,286	3.541
1928	16,487,807	50.0	15,830,688	682,755	16,515,582	50.0	33,003,389	3.356
1929	16,387,461	48.0	16,780,452	843,502	17,724,132	52.0	34,111,593	3.401
1930	14,052,671	43.3	16,971,933	1,144,861	18,412,039	56.7	32,464,710	3.180
1931	11,682,779	47.7	11,793,798	987,442	12,828,327	52.3	24,511,106	2.362
1932	11,212,701	49.0	9,889,866	1,727,716	11,654,492	51.0	22,867,193	2.177
1933	11,456,273	51.5	8,865,935	1,942,875	10,808,962	48.5	22,265,235	2.085
1934	13,236,406	51.1	10,580,710	1,981,116	12,651,168	48.9	25,887,574	2.392
1935	13,306,303	53.1	9,618,518	1,822,500	11,735,835	46.9	25,042,138	2.290
1936	14,508,642	53.3	10,801,643	1,498,656	12,719,515	46.7	27,228,167	2.469
1937	15,172,729	51.5	12,574,574	1,211,052	14,268,585	48.5	29,441,314	2.648

*The sum of Canadian coal-mine sales, colliery consumption, coal supplied to employees, and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

The following table shows the quantity of coke imported into Canada during the years 1936, 1937 and 1938, through ports in the Provinces, compiled from information from the Dominion Bureau of Statistics:

Ports in Province of	1936 Coke		1937 Coke		1938 Coke	
	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal
Prince Edward Island						
Nova Scotia		7,234	64	12,515		7,193
New Brunswick		24			224	
Quebec	35,628	25,777	41,414	14,282	49,990	19,215
Central Ontario	52,406	538,576	77,582	358,739	30,459	353,125
Head of Lakes		22,543		17,351		23,451
Manitoba		15,427		13,109		10,794
Saskatchewan				35		
Alberta						
British Columbia	568	3,277	443	1,702	545	904
Total	88,602	612,858	119,503	417,733	81,218	414,682

Imports of COKE into Canada, by Countries, 1936, 1937 and 1938.

United States	88,602	579,893	119,503	404,445	81,218	406,763
Great Britain		9,854		3,949		3,388
Germany		22,549		9,231		4,531
Belgium		562		108		
Total	88,602	612,858	119,503	417,733	81,218	414,682

NOTE: These figures show the total imports and not the tonnages entered for consumption.

Quantity of coal in tons entered for consumption for each year since 1919, through ports in the Provinces of Manitoba, Saskatchewan, Ontario, Alberta, British Columbia and Yukon.

BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	43,547	535	607	13,128	15,902,632
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	13,536,250
1922	7,424,171	445,019	68,082	1,517,250	9,454,522	74,848	1,484	1,147	13,966	11,563,467
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,607	2,422	1,209	25,049	12,619,082
1925	9,100,462	286,984	81,173	497,264	9,884,710	147,758	1,732	1,175	40,286	13,015,323
1926	10,531,095	199,908	83,182	965,105	11,696,108	149,374	1,887	1,515	32,992	13,802,242
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648	15,178,640
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682	13,966,183
1929	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,477	1,327	18,526	14,585,275
1930	10,421,748	165,499	70,403	1,297,939	11,955,589	24,898	1,816	1,351	8,886	13,345,308
1931	8,553,736	86,810	65,738	609,279	9,315,563	7,041	1,535	912	2,308	10,347,280
1932	6,867,307	62,019	48,915	691,831	7,670,072	12,298	1,459	830	3,582	8,532,318
1933	7,038,386	74,934	30,108	482,206	7,625,634	13,213	1,327	998	26,077	8,427,656
1934*	8,472,143	126,671	37,085	602,510	9,238,409	12,103	1,235	1,302	2,301	10,268,945
1935*	8,032,739	6,033	53,145	591,810	8,683,727	9,918	952	1,136	3,722(a)	9,549,457(b)
1936*	8,448,795	156,229	67,784	688,950	9,361,758	14,101	847	1,205	3,524(d)	10,200,253(e)
1937*	10,154,682	128,595	69,598	820,160	11,173,035	12,079	743	1,293	2,540(g)	12,449,385(h)
1938*	8,159,030	113,746	56,806	698,371	9,027,953	9,061	783	1,116	2,701(k)	9,744,652(l)

ANTHRACITE COAL

1919	2,977,913	119,234	559	346,442	3,444,148	12,906		66	136	4,972,283
1920	2,943,134	69,206	2,648	226,476	3,221,464	17,509	206	517	75	4,912,964
1921	2,809,189	62,782	138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,586,924	21,507	12	36,018	1,644,461	14,715	231		1,261	2,693,957
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291		174	5,167,881
1924	2,599,568	4,775	237	84,513	2,689,093	34,222	1,720		687	4,183,594
1925	2,203,281	37	170	50,731	2,254,049	34,396	702	30	246	3,798,744
1926	2,458,674		56	60,810	2,519,494	17,990	464		5,202	4,242,932
1927	2,123,515		51	79,293	2,202,849	15,885	484		3,812	4,063,619
1928	2,179,022		42	57,494	2,236,558	10,130	579		2,241	3,737,333
1929	2,246,063	352	303	52,369	2,299,087	9,180	365		597	4,019,917
1930	2,080,457		224	45,241	2,125,922	8,323	367		1,123	4,256,090
1931	1,615,643			18,302	1,633,945	3,695			33	3,178,141
1932	1,250,755		3	12,677	1,263,435	3,800		3	702	3,138,157
1933	1,129,041		8	8,742	1,137,791	5,669	57	75	3,657	3,035,613
1934*	1,374,881		3,030	7,934	1,385,845	6,086			282	3,537,309
1935*	1,370,119		19	9,455	1,379,593	5,852	49		1,600	3,451,318(c)
1936*	1,436,613		135	16,350	1,453,098	5,884	58		1,151	3,530,040(f)
1937*	1,608,653		8	21,052	1,629,713	5,639	66	34	61	3,572,268(j)
1938*	1,700,047		69	16,050	1,716,166	4,674	39		280	3,716,447(m)

*These figures show the total imports and not the tonnages entered for consumption.

(a) Includes imports into the Yukon Territory of 10 tons in July and 10 tons in October.

(b) Consists of 9,168,428 tons imported from the United States, 380,645 tons imported from Great Britain, 43 tons imported from Alaska, 285 tons imported from Norway, 55 tons imported from Esthonia, and 1 ton imported from Poland.

(c) Conslsts of 1,670,085 tons imported from the United States, 1,454,521 tons imported from Great Britain, 205,045 tons imported from Germany, 67,220 tons imported from Belgium, and 54,447 tons imported from French Indo-China.

(d) Includes imports into the Yukon Territory of 4 tons in April, 3 tons in May, 6 tons in June, 45 tons in July and 2 tons in October.

(e) Consists of 10,042,127 tons imported from the United States, 149,905 tons imported from Great Britain, 9,421 tons imported from Germany, 361 tons imported from Norway, 124 tons imported from Denmark, 45 tons imported from Sweden, 35 tons imported from the Netherlands, 286 tons Imported from Newfoundland, and 134 tons imported from Esthonia.

(f) Consists of 1,685,848 tons Imported from the United States, 1,331,279 tons imported from Great Britain, 359,994 tons imported from Germany, 33,543 tons imported from Belgium, 122,572 tons imported from French Indo-China, 16,231 tons imported from the Netherlands, and 1,120 tons imported from China.

(g) Includes imports into the Yukon Territory of 4 tons in March, 6 tons in May, 6 tons in June, 45 tons ln July and 2 tons in October.

(h) Conslsts of 12,333,378 tons imported from the United States, 56,073 tons imported from Great Britain, 54,061 tons imported from Germany, 113 tons imported from Norway, and 200 tons imported from Esthonia.

(j) Consists of 2,003,317 tons imported from the United States, 1,134,855 tons imported from Great Britain, 258,257 tons imported from Germany, 8,131 tons Imported from Belglum, 154,495 tons imported from Russia, and 78 tons imported from Morocco.

(k) Includes Imports into the Yukon Territory of 8 tons in March, 10 tons in July, and 8 tons in October.

(l) Consists of 9,644,020 tons from the United States, 65,957 tons from Great Britain, 34,258 tons from Germany, and 417 tons from Japan.

(m) Conslsts of 1,973,610 tons from the Unlted States, 1,199,131 tons from Great Britain, 407,031 tons from Germany, 34,182 tons from Belgium, 14,952 tons from Russia, 19,645 tons from Morocco, 37, 594 tons from the Netherlands, and 30,302 tons from French Indo-China.

Imports of Coal into Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, Yukon and Canada, by months during 1938 (short tons):

BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C. and Yukon	Total Canada
January	315,615		4,341		319,956	889	33	41	583		1,546	340,272
February	241,220		2,853		244,073	742	40	63	299		1,144	268,141
March	264,785		4,286	1,721	270,792	1,047	99	110	94	8	1,358	307,937
April	348,772		2,432	26,769	377,973	584	73	68	75		800	399,387
May	743,848	6,741	5,377	95,712	851,678	570	33	181	139		923	930,247
June	950,432	47,524	6,092	58,663	1,062,711	1,323	33	159	132		1,647	1,156,744
July	867,711	47,971	3,325	61,930	980,937	398	138	109	136	10	791	1,062,508
August	928,950	1,394	3,709	106,247	1,040,300	320	196	101	260		877	1,130,462
September	929,003	1,394	7,290	116,909	1,053,270	685	3	108	127		923	1,148,285
October	926,407	6	5,820	88,935	1,021,168	835	30	62	130	8	1,065	1,080,706
November	1,082,918	10,042	7,147	100,801	1,200,908	1,111	105		216		1,432	1,281,361
December	559,369		4,134	40,684	604,187	557		114	484		1,155	638,602
Total	8,159,030	113,746	56,806	698,371	9,027,953	9,061	783	1,116	2,675	26	13,661	9,744,652*

*Consists of 9,644,020 tons from the United States, 65,957 tons from Great Britain, 34,258 tons from Germany, and 417 tons from Japan.

ANTHRACITE COAL

January	152,471		1		152,472	590			30		620	193,200
February	132,696				132,696	475					475	172,611
March	136,188				136,188	502					502	189,420
April	96,613				96,613	292	39				331	145,818
May	147,658				147,658	348					348	411,974
June	226,523			4,138	230,661	256			5		261	460,939
July	117,495			6,166	123,661	283					283	417,449
August	109,786				109,786	398					398	333,444
September	131,337				131,337	339					339	410,924
October	163,980		41	5,746	169,767	301					301	376,420
November	158,869				158,869	389					389	395,535
December	126,431		27		126,458	501			245		746	208,713
Total	1,700,047		69	16,050	1,716,166	4,674	39		280		4,993	3,716,447*

*Consists of 1,973,610 tons from the United States, 1,199,131 tons from Great Britain, 407,031 tons from Germany, 34,182 tons from Belgium, 14,952 tons from Russia, 19, 645 tons from Morocco, 37,594 tons from the Netherlands, and 30,302 tons from French Indo-China.

LIGNITE COAL

January									425		425	425
February							4	3	199		206	206
March						1	36		218		255	255
April									82		82	82
May									12		12	12
June									61		61	61
July									112		112	112
August									13		13	13
September									76		76	76
October						7	106		242		355	355
November						30	85	5	307		427	427
December						50	14	3	870		937	937
Total						88	245	11	2,617		2,961	2,961

TOTAL IMPORTATIONS

Bituminous	8,159,030	113,746	56,806	698,371	9,027,953	9,061	783	1,116	2,675	26	13,661	9,744,652
Anthracite	1,700,047		69	16,050	1,716,166	4,674	39		280		4,993	3,716,447
Lignite						88	245	11	2,617		2,961	2,961
Total	9,859,077	113,746	56,875	714,421	10,744,119	13,823	1,067	1,127	5,572	26	21,615	13,464,060

These figures show the total imports and not the tonnages entered for consumption.

MINERAL PRODUCTION OF ALBERTA, 1937 AND 1938

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada.

	1937		1938(a)	
	Quantity	Value	Quantity	Value
*Gold, fine ounces	46	$ 1,610	305	$ 6,305
†Exchange equalization	.....	.....	.....	4,423
Silver, fine ounces	4	2	23	10
Coal, short tons	5,562,839	14,563,911	5,227,051	13,686,003
Natural Gas, M. cubic feet	20,955,506	4,766,437	21,800,000	4,948,600
Petroleum, barrels	2,749,085	4,961,002	6,742,039	11,327,000
Salt, short tons	.....	.....	4,045	46,035
Sodium sulphate, short tons	80	480	64	448
Bituminous sands, short tons	35	142	.....	.....
Cement, barrels	267,106	531,541	304,373	611,790
Lime, short tons	10,651	93,478	12,053	107,012
Sand and Gravel, short tons	711,966	312,687	803,907	524,240
Stone, short tons	13,225	27,189	15,278	34,916
Clay products	.....	338,638	.....	357,517
Total	.....	$25,597,117	.....	$31,654,299

(a) Subject to revision.

*Gold valued at the standard rate of $20.671834 per ounce.

†Difference between the standard rate and the average value of gold during the year.

Particulars with reference to the coal-mining industry in the Province of Alberta during the year ending December 31st, 1938:

SUMMARY OF STATISTICS

Tonnage stripped by farmers under domestic permits	585
Number of short tons of coal produced	5,230,025
Number of short tons of briquettes produced	39,239
Number of short tons of coke produced	68,692
Number of short tons of shale produced	19,929
Number of coal-mines in operation during the year	302
Number of shale pits in operation during the year	4
Number of mines opened during the year	21
Number of mines re-opened during the year	3
Number of mines closed during the year	29
Number of mines abandoned during the year	17
Number of mines in operation at December 31st, 1938	259
135 mines or 44.70% of the total operating produced 1.06% of the output.	
78 mines or 25.83% of the total operating produced 2.94% of the output.	
15 mines or 4.96% of the total operating produced 2.04% of the output.	
43 mines or 14.24% of the total operating produced 19.57% of the output.	
16 mines or 5.30% of the total operating produced 20.71% of the output.	
5 mines or 1.66% of the total operating produced 11.25% of the output.	
5 mines or 1.66% of the total operating produced 16.42% of the output.	
4 mines or 1.32% of the total operating produced 19.42% of the output.	
1 mine or .33% of the total operating produced 6.59% of the output.	
Average number of persons employed below ground	5,427
Average number of persons employed above ground	1,984
Number of separate accidents causing loss of life	16
Number of deaths caused by accidents above ground	1
Number of deaths caused by accidents below ground	20
Number of serious accidents above ground	9
Number of serious accidents below ground	63
Number of slight accidents above ground	21
Number of slight accidents below ground	114
Total purchased electrical power (kilowatt hours)	24,611,920
Number of prosecutions instituted	32
Number of Provisional Certificates (overman) issued in 1938	158
Number of Certificates of Competency as Coal-miners issued in 1938	263
Number of Third Class Certificates issued in 1938	63
Number of Second Class Certificates issued in 1938	12
Number of First Class Certificates issued in 1938	2
Number of Mine Surveyors' Certificates issued in 1938	1
Total number of Third Class Certificates issued to December 31st, 1938	1,438
Total number of Second Class Certificates issued to December 31st, 1938	465
Total number of First Class Certificates issued to December 31st, 1938	247
Total number of Mine Surveyors' Certificates issued to December 31st, 1938	193
Total number of Interchange First Class Certificates issued to December 31st, 1938	5
Total number of Certificates of Competency as Coal-miners issued to December 31st, 1938	14,998

In the following tables the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons for Alberta
1901	346,649	
1902	510,674	
1903	622,939	
1904	782,931	
1905		811,228
1906		1,385,000
1907		1,834,745
1908		1,845,000
1909		2,174,329
1910		3,036,757
1911		1,694,564
1912		3,446,349
1913		4,306,346
1914		3,821,739
1915		3,434,891
1916		4,638,604
1917		4,863,414
1918		6,148,620
1919		5,022,412
1920		6,908,923
1921		5,937,195
1922		5,976,432
1923		6,866,923
1924		5,203,713
1925		5,883,394
1926		6,508,908
1927		6,936,780
1928		7,334,179
1929		7,147,250
1930		5,755,911
1931		4,564,290
1932		4,870,030
1933		4,714,784
1934		4,748,848
1935		5,462,973
1936		5,696,375
1937		5,551,682
1938		5,230,025

PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING 1938

Output of shale (in tons) used for making bricks		19,929
Number of shifts worked		8,983
Average number of men employed		80
Explosives used (pounds) 40% Dynamite		2,325
Number of shots fired, using fuse		1,213
Total number of bricks made		7,609,314
Total number of bricks put to stock		317,006
Total number of bricks lifted from stock		146,537
Bricks sold for use in Alberta	3,858,200	
British Columbia	1,088,870	
Saskatchewan	1,244,455	
Manitoba	966,820	
Ontario	267,500	
N.W. Territories	15,000	
Total	7,440,845	

Hollow tile made (tons)		1,640
Hollow tile put to stock (tons)		46
Hollow tile sold for use in Alberta	863	
British Columbia	313	
Saskatchewan	26	
Manitoba	372	
Ontario	20	
Total	1,594	

PARTICULARS OF WORK DONE BY FARMERS STRIPPING COAL UNDER DOMESTIC PERMIT

Tonnage	585
Number of days worked during the year	109
Number of men employed during the year	53
Total number of shifts worked	217
Total number of permits issued	17

The above coal was stripped for domestic use only and not for sale.

CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1938 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-bituminous	Bituminous	Anthracite	Coal used in Coke production	Briquettes	Coke
1901*		331,907			14,742			
1902*		494,087			16,587			
1903*		617,754			5,185			
1904*		759,568			23,363			
1905*		972,686			43,653	71,292		46,640
1906	602,780			546,623	235,597	103,930		69,844
1907	639,335			939,295	256,115	112,887	49,585	73,782
1908	584,334			1,001,571	249,095	128,397	36,261	75,657
1909	763,673			1,197,399	213,257	148,104	89,785	87,812
1910	878,011			1,896,961	261,785	196,249	108,996	121,578
1911	964,700			649,745	80,119	61,591	48,200	35,984
1912	1,341,389			1,926,371	178,589	170,818	90,000	105,684
1913	1,763,225			2,374,401	168,720	104,012	130,861	65,167
1914	1,697,401			1,953,367	170,971	44,249	109,082	29,058
1915	1,682,922			1,626,237	125,732	38,878	83,180	23,826
1916	2,172,801			2,335,259	140,544	67,105	107,959	41,950
1917	2,537,829			2,206,868	118,717	51,905	93,818	31,630
1918	3,035,061			2,982,334	131,225	53,462	100,470	32,858
1919	2,611,009			2,325,787	85,616		70,033	
1920	3,359,309			3,419,021	130,594		101,693	
1921	2,943,141			2,897,380	96,674		62,466	
1922	3,086,669		635,073	2,214,273	40,417		33,663	
1923	3,161,741		459,869	3,245,313	107		39,638	
1924	3,096,660		585,765	1,521,288				
1925	3,156,359		581,835	2,145,200			791	
1926	3,160,029		490,371	2,858,508			11,381	
1927	3,357,171		595,190	2,984,419		287	20,649	173
1928	3,378,200		740,498	3,215,481			24,768	
1929	3,385,749		668,108	3,093,393			28,167	
1930	2,874,090		603,331	2,278,490			24,111	
1931	2,246,544		471,389	1,846,357			15,102	
1932	2,576,831		559,479	1,733,720		4,591	13,582	2,183
1933	2,434,047		554,141	1,726,596		75,275	14,935	49,279
1934	2,295,566		537,542	1,915,740		91,745	15,906	59,703
1935	2,647,912		566,436	2,248,625		98,233	18,812	63,428
1936	2,841,231		566,486	2,299,658		97,353	21,015	65,239
1937	2,631,150		506,529	2,414,003		99,537	27,044	65,967
1938	2,453,263		488,912	2,287,850		103,498	39,239	68,692

*Includes output from Alberta and Saskatchewan. Previous to 1922 sub-bituminous was included in bituminous coal.

During the year 1909 a strike affecting all the larger mines in the province lasted for a period of three months.
During the year 1911 a strike affecting all the larger mines in the province, lasted for a period of eight months.
During the year 1917 a strike affecting all the larger mines in the province, lasted for a period of three months.
During the year 1919 a strike affecting all the larger mines in the province, lasted for a period of three months.
During the year 1922 a strike affecting all the larger mines in the province, lasted for a period of five months.
During the year 1924 a strike affecting all the larger mines in the province, lasted for a period of six and one-half months.

Total output of COAL, COKE and BRIQUETTES disposed of during 1938:

	Sold for Consumption in							Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	United States											
Domestic	1,184,120	65,303	936,566	180,788	39,072		10,100		2,415,949	29,303	560			15,225	19,498	25,252	2,020	2,453,263
Sub-Bituminous	45,667	36,640	17,339	70,743	16,301	83		254,787	441,560	26,125	4,560			3,521	16,615	3,364	105	488,912
Bituminous	49,145	136,492	57,302	162,132	18,738		22,407	1,617,065	2,063,291	81,405	1,120	39,302	103,498	25,913	60	26,739		2,287,850
Total	1,278,932	238,435	1,011,207	413,663	74,111	83	32,507	1,871,852	4,920,800	136,833	6,240	39,302	103,498	44,659	36,173	55,355	2,125	5,230,025
Briquettes	2,933	3,817	2,539	7,688	2,895			19,367	39,239					212		212		39,239
Coke	52	68,640							68,692									68,692

Total output of COAL, COKE and BRIQUETTES disposed of during 1937:

Domestic	1,229,471	78,124	1,017,355	214,977	35,047		14,142		2,590,116	35,408	687			17,856	14,313	21,217	6,013	2,631,150
Sub-Bituminous	49,544	46,475	18,817	71,283	18,398	82		253,214	457,813	25,066	4,070			4,401	21,221	4,167	1,875	506,529
Bituminous	47,039	144,424	49,640	150,694	9,076		27,186	1,775,175	2,203,234	85,493	1,265	25,402	99,537	26,244	263	27,435		2,414,003
Total	1,326,054	269,023	1,085,812	437,954	62,521	82	41,328	2,028,389	5,251,163	145,967	6,022	25,402	99,537	48,501	35,797	52,819	7,888	5,551,682
Briquettes	3,081	4,758	2,163	5,119	2,626			9,297	27,044					98		98		27,044
Coke	59	65,908							65,967									65,967

How total output of DOMESTIC COAL from the Province was disposed of by Areas during 1938:

	Sold for Consumption in						Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States								
Ardley	17,578		3,060				20,638	795		20	53	86		21,420
Big Valley	2,042						2,042				27			2,069
Brooks	8,786		774				9,560	105						9,665
Camrose	47,684		3,424	576	48		51,732	905		1,170	670	1,070	745	52,662
Carbon	64,900	1,080	20,489	5,063	437	326	92,295	306		528	500	722	57	92,846
Castor	37,509				22		37,531	106		177	1,919			39,737
Champion	15,690						15,690			14	434			16,142
Drumheller	213,522	36,825	699,751	156,249	37,188	1,345	1,145,880	13,109		7,608	10,566	8,815		1,168,348
Edmonton	495,483	290	9,837	2,686	932		509,228	6,806		2,790	256	3,908	69	515,103
Gleichen	25,202						25,202				37			25,239
Halcourt	3,272	45					3,317	45		9	15	31		3,355
Lethbridge	161,752	26,424	136,193	13,395	445	7,382	345,591	3,321		2,611	1,076	10,231	255	342,113
Magrath	541						541							541
Milk River	3,563						3,563				138			3,701
Pakan	273						273				3			276
Pakowki	1,423						1,423			75		139		1,359
Pembina	20,608	603	7,627	113			28,951	1,116		84	162	46		30,267
Redcliff	9,926	36	14,940	1,920			26,822		560					27,382
Rochester	729						729							729
Sexsmith	65						65				15			80
Sheerness	17,598		15,796	518			33,912	277			1,750			35,939
Taber	10,535		469			47	11,051	174		5	1,044			12,274
Tofield	18,330		24,206	268			42,802	2,150		35	205	110	871	44,213
Wetaskiwin	2,349						2,349							2,349
Whitecourt	194						194				23			217
No Area	4,566						4,566	88		99	601	94	23	5,237
Total	1,184,120	65,303	936,566	180,788	39,072	10,100	2,415,949	29,303	560	15,225	19,498	25,252	2,020	2,453,263

How the total output of SUB-BITUMINOUS COAL was disposed of during 1938:

	Sold for Consumption in							Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	United States											
Coalspur	25,558	30,068	5,120	51,018	7,420	.....	.....	196,733	315,917	15,558	4,560	.....	.....	2,858	14,934	2,295	105	351,427
Morley	211	.....	.....	.....	.....	.....	.....	.....	211	.....	.....	.....	.....	.....	.....	150	.....	61
Pekisko	4,331	.....	430	204	.....	.....	.....	.....	4,965	139	.....	.....	.....	40	16	80	.....	5,080
Pincher	1,037	.....	.....	.....	.....	.....	.....	.....	1,037	.....	.....	.....	.....	46	330	.....	.....	1,413
Prairie Creek	8,571	5,986	788	6,760	3,183	83	.....	58,054	83,425	6,706	.....	.....	.....	494	1,335	771	.....	91,189
Saunders	5,959	586	11,001	12,761	5,698	.....	.....	.....	36,005	3,722	.....	.....	.....	83	.....	68	.....	39,742
Total	45,667	36,640	17,339	70,743	16,301	83	.....	254,787	441,560	26,125	4,560	.....	.....	3,521	16,615	3,364	105	488,912

BITUMINOUS

Cascade	7,499	1,277	4,514	15,359	.....	.....	.....	100,654	129,303	19,493	472	22,445	.....	5,316	60	7,050	.....	170,039
Crowsnest	29,042	135,122	50,434	20,628	18,659	.....	22,407	870,311	1,146,603	22,939	648	.....	103,498	18,803	.....	17,487	.....	1,275,004
Mountain Park	9,452	93	2,354	126,145	79	.....	.....	514,926	653,059	25,390	.....	.....	.....	.....	.....	.....	.....	688,449
Nordegg	3,152	.....	.....	.....	.....	.....	.....	131,174	134,326	3,583	.....	16,857	.....	1,794	.....	2,202	.....	154,358
Total	49,145	136,492	1,011,207	162,132	18,738	.....	22,407	1,617,065	2,063,291	81,405	1,120	39,302	103,498	25,913	60	26,739	.....	2,287,850

How the total output of COAL from the Province was disposed of by months during 1938:

	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	United States										
January	144,174	22,099	109,718	60,071	12,311	....	4,172	140,936	493,481	13,158	538	4,389	8,907	6,973	3,646	2,737	372	527,983
February	166,751	20,392	142,901	54,706	10,605	....	3,901	181,363	580,619	13,832	729	4,859	8,077	3,518	2,589	6,235	90	607,798
March	91,329	15,893	56,685	28,498	4,652	....	2,612	239,730	439,399	12,580	916	5,516	9,046	1,614	5,162	6,526	230	467,477
April	59,279	12,275	26,544	12,214	1,444	....	1,072	153,224	266,052	10,355	689	3,362	8,159	2,177	2,392	3,719	180	289,287
May	43,072	11,200	24,696	10,121	1,058	37	813	137,320	228,317	8,938	310	1,377	8,917	4,183	273	4,969	138	247,208
June	35,841	10,405	19,047	9,620	1,499	46	991	121,120	198,569	8,437	286	588	8,013	1,024	141	5,244	277	211,537
July	36,859	11,833	16,995	13,041	1,130	....	810	119,209	199,927	8,229	280	918	7,878	912	206	4,519	233	213,598
August	55,902	18,736	62,389	20,162	1,563	....	1,681	171,015	331,448	10,090	341	1,984	8,712	2,494	261	7,050	282	347,998
September	70,978	23,092	71,386	32,478	6,315	....	3,088	125,851	333,188	10,068	424	2,145	8,381	7,951	2,737	2,177	168	362,549
October	182,280	29,634	171,865	50,199	8,871	....	3,497	165,451	611,797	12,368	541	3,433	9,152	3,098	7,865	3,825	110	644,319
November	224,034	33,285	177,776	59,462	13,252	....	4,917	163,966	676,692	13,883	572	3,874	8,796	5,768	7,430	3,698	44	713,273
December	168,433	29,591	131,205	63,091	11,361	....	4,953	152,667	561,311	14,895	614	6,857	9,460	4,947	3,471	4,556	1	596,998
Total	1,278,932	238,435	1,011,207	413,663	74,111	83	32,507	1,871,852	4,920,800	136,833	6,240	39,302	103,498	44,659	36,173	55,355	2,125	5,230,025
Percentage of Total Sales	25.99	4.84	20.55	8.38	1.53	.01	.66	38.04										

How the total output of DOMESTIC COAL was disposed of by months during 1938

	Sold for Consumption in						Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States								
January	133,339	6,560	102,281	28,466	7,068	1,212	278,926	3,136	60	1,864	1,324	1,642	372	283,296
February	155,212	6,634	133,446	28,203	5,813	1,152	330,460	3,709	82	1,920	1,325	3,379	60	334,057
March	81,020	2,353	52,344	6,190	1,857	384	144,148	2,544	36	378	521	4,425	205	142,997
April	56,671	1,703	24,221	818	259	70	83,742	2,073	11	453	259	2,919	155	83,464
May	39,399	1,499	20,409	2,025	33	65	63,430	1,486	8	78	217	2,175	123	62,921
June	33,674	642	15,536	3,229	395	272	53,748	1,596	4	72	134	1,733	277	53,544
July	33,063	650	14,289	1,840	144	78	50,064	1,366		111	174	2,010	233	49,472
August	50,758	4,975	58,587	6,335	637	703	121,995	1,852	40	1,569	215	692	282	124,697
September	64,487	8,647	66,073	16,057	3,962	1,181	160,407	1,892	40	825	1,332	1,272	168	163,056
October	169,405	11,491	161,167	27,394	4,768	1,266	375,491	2,737	88	1,975	6,387	602	100	385,976
November	211,134	11,879	166,323	32,830	8,049	2,103	432,318	3,529	108	4,718	5,890	524	44	445,995
December	155,958	8,270	121,890	27,401	6,087	1,614	321,220	3,383	83	1,262	1,720	3,879	1	323,788
Total	1,184,120	65,303	936,566	180,788	39,072	10,100	2,415,949	29,303	560	15,225	19,498	25,252	2,020	2,453,263
Percentage of Total Sales	49.01	2.70	38.77	7.48	1.62	.42								

How the total output of SUB-BITUMINOUS COAL was disposed of by months during 1938:

	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories									
January	6,491	5,562	1,551	13,179	3,092		25,568	55,443	2,627	379	1,165	2,322	319		61,617
February	5,922	3,805	2,341	9,291	1,637		32,983	55,979	2,903	535	573	1,264	120	30	61,104
March	6,829	1,727	419	5,512	929		63,328	78,744	2,408	786	87	4,641	400	25	86,241
April	543	598	148	733	110		27,918	30,050	1,634	595		2,128	155	25	34,227
May	613	661	202	326	107	37	4,871	6,817	1,293	218	14	56	276	15	8,107
June	332	254	330	100	177	46	5,520	6,759	1,353	200		2	573		7,741
July	1,415	1,124	416	816	347		5,661	9,779	1,261	200	149	32	265		11,156
August	1,830	1,835	810	2,473	313		6,496	13,757	2,083	200	108	46	569		15,626
September	2,836	3,053	1,946	5,464	1,745		15,461	30,505	2,131	289	210	1,395	105		34,425
October	6,433	4,712	3,342	8,448	2,821		22,925	48,681	2,620	360	140	1,458	227	10	53,022
November	6,714	6,697	3,378	10,563	2,815		22,670	52,837	2,849	385	533	1,530	180		57,954
December	5,709	6,612	2,456	13,838	2,208		21,386	52,209	2,962	413	542	1,741	175		57,692
Total	45,667	36,640	17,339	70,743	16,301	83	254,787	441,560	26,125	4,560	3,521	16,615	3,364	105	488,912
Percentage of Total Sales	10.34	8.30	3.93	16.03	3.68	.02	57.70								

How the total output of BITUMINOUS COAL was disposed of by months during 1938:

	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States											
January	4.344	9.977	5.886	18.426	2.151	2.960	115.368	159.112	7.395	99	4.389	8.907	3.944		776		183.070
February	5.617	9.953	7.114	17.212	3.155	2.749	148.380	194.180	7.220	112	4.859	8.077	1.025		2.836		212.637
March	3.480	11.813	3.922	16.797	1.866	2.228	176.402	216.507	7.628	94	5.516	9.046	1.149		1.701		238.239
April	2.065	9.974	2.175	10.663	1.075	1.002	125.306	152.260	6.648	83	3.362	8.159	1.724	5	645		171.596
May	3.060	9.040	4.085	7.770	918	748	132.449	158.070	6.159	84	1.377	8.917	4.091		2.518		176.180
June	1.835	9.509	3.181	6.291	927	719	115.600	138.062	5.488	82	588	8.013	952	5	2.938		150.252
July	2.381	10.059	2.290	10.385	689	732	113.548	140.084	5.602	80	918	7.878	652		2.244		152.970
August	3.314	11.926	2.992	11.354	613	978	164.519	195.696	6.154	101	1.984	8.712	817		5.789		207.675
September	3.655	11.392	3.367	10.957	608	1.907	110.390	142.276	6.045	95	2.145	8.381	6.916	10	800		165.068
October	6.442	13.431	7.356	14.357	1.282	2.231	142.526	187.625	7.011	93	3.433	9.152	983	20	2.996		205.321
November	6.186	14.709	8.075	16.069	2.388	2.814	141.296	191.537	7.505	79	3.874	8.796	517	10	2.994		209.324
December	6.766	14.709	6.859	21.852	3.066	3.339	131.281	187.882	8.550	118	6.857	9.460	3.143	10	502		215.518
Total	49.145	136.492	57.302	162.132	18.738	22.407	1.617.065	2.063.291	81.405	1.120	39.302	103.498	25.913	60	26.739		2.287.850
Percentage of Total Sales	2.38	6.62	2.78	7.79	.97	1.09	78.37										

Amount of COAL sold during the years 1915 to 1938 (inclusive) for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	Quebec	United States	To Railroads	Total
1915	2,129,130	54,860	695,898	64,816				25,047		2,969,751
1916	2,866,670	86,413	1,007,765	97,265				61,092		4,119,205
1917	2,813,413	76,397	1,139,771	249,872				93,081		4,372,534
1918	3,440,154	101,189	1,372,439	511,168	629			133,276		5,558,855
1919	2,991,110	95,461	1,115,329	314,290	308			121,212		4,637,710
1920	1,647,202	128,850	1,310,146	600,962	13,911		30	152,610	2,516,555	6,371,266
1921	1,415,861	116,089	1,294,441	495,388	9,898			133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,249	520,518	21,573		102	105,514	2,076,291	5,647,109
1923	1,382,788	108,326	1,223,454	553,649	52,334			83,557	3,110,121	6,514,219
1924	1,431,327	114,186	1,189,788	510,407	16,525			39,142	1,613,574	4,914,949
1925	1,440,032	117,037	1,297,653	509,655	28,831			40,507	2,139,716	5,573,431
1926	1,325,290	127,858	1,296,181	591,267	74,559		221	48,216	2,706,440	6,170,032
1927	1,508,089	187,028	1,427,904	612,542	22,680			45,160	2,759,765	6,653,168
1928	1,409,475	262,198	1,511,141	605,125	44,265			52,265	3,054,239	6,938,708
1929	1,446,555	236,840	1,455,213	588,647	55,647		33	51,625	2,923,827	6,758,075
1930	1,234,382	227,385	1,221,542	541,537	29,784		32	44,291	2,120,237	5,419,190
1931	1,020,694	171,610	905,574	442,761	27,036		100	30,434	1,668,451	4,266,660
1932	1,134,311	136,188	1,097,382	497,006	20,583		135	27,366	1,619,921	4,532,892
1933	1,123,357	120,911	1,052,910	449,681	39,437		32	18,449	1,500,061	4,304,838
1934	1,087,898	127,638	986,639	391,132	55,947	31		13,739	1,687,850	4,350,874
1935	1,246,959	221,758	1,120,816	435,813	64,659			24,712	1,960,555	5,075,272
1936	1,356,690	244,928	1,238,730	450,740	65,886			27,397	1,969,569	5,353,940
1937	1,326,054	269,023	1,085,812	437,954	62,521	82		41,328	2,028,389	5,251,163
1938	1,278,932	238,435	1,011,207	412,253	75,521	83		32,507	1,871,852	4,920,800

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

Coal produced by years from 1934 to 1938 inclusive:

DOMESTIC COAL FIELD

Areas	1934	1935	1936	1937	1938
Ardley	21,549	25,565	29,216	23,990	21,420
Big Valley	2,056	3,494	2,918	2,514	2,069
Brooks	7,423	8,040	9,668	9,152	9,665
Camrose	39,435	57,466	65,331	57,235	52,662
Carbon	87,856	95,424	108,369	104,385	92,846
Castor	31,450	34,920	45,307	41,379	39,737
Champion	19,422	20,836	22,160	17,941	16,142
Drumheller	1,033,000	1,261,239	1,439,905	1,289,971	1,168,348
Edmonton	452,019	493,263	543,014	539,096	515,103
Gleichen	6,707	9,165	9,886	11,227	25,239
Halcourt	3,040	3,738	3,479	4,569	3,355
Lethbridge	312,677	349,676	351,864	349,881	342,113
Magrath	2,002	1,282	856	995	541
Milk River	4,796	4,485	5,261	4,312	3,701
Pakan			823	209	276
Pakowki	2,252	2,781	3,660	1,267	1,359
Pembina	70,964	72,149	53,948	33,398	30,267
Redcliff	45,938	34,149	35,971	29,086	27,382
Rochester	1,033	1,467	2,256	478	729
Sexsmith			44	43	80
Sheerness	67,942	91,024	47,305	39,360	35,939
Taber	16,549	14,669	12,588	14,615	12,274
Tofield	66,003	59,426	42,845	48,315	44,213
Wetaskiwin	58	728	1,791	2,222	2,349
Whitecourt		67	153	300	217
No Area	1,395	2,859	2,913	5,210	5,237
Total	2,295,566	2,647,912	2,841,231	2,631,150	2,453,263

SUB-BITUMINOUS COAL FIELD

Coalspur	410,108	413,436	388,766	350,594	351,427
Morley			123	769	61
Pekisko	2,881	4,298	5,005	4,928	5,080
Pincher	1,809	1,405	2,095	1,541	1,413
Prairie Creek	88,260	110,192	127,553	106,803	91,189
Saunders	34,484	37,055	42,944	41,894	39,742
Total	537,542	566,436	566,486	506,529	488,912

BITUMINOUS COAL FIELD

Cascade	161,869	152,925	166,665	175,989	170,039
Crowsnest	991,233	1,297,404	1,310,487	1,326,450	1,275,004
Mountain Park	623,231	651,268	655,139	764,370	688,449
Nordegg	139,407	147,028	156,367	147,194	154,358
Total	1,915,740	2,248,625	2,288,658	2,414,003	2,287,850

Total output of DOMESTIC COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	3,027	2,736	1,191	438	38	777	461	749	1,197	3,803	4,524	2,479	21,420
Big Valley	237	332	154	66	16	21	34	32	73	299	494	311	2,069
Brooks	723	717	228	158	138	130	123	255	674	2,667	2,936	916	9,665
Camrose	7,420	7,421	3,105	2,348	1,160	861	1,312	2,081	1,943	6,562	10,960	7,489	52,662
Carbon	11,076	11,981	7,048	3,260	2,353	2,695	2,577	4,354	6,420	14,485	15,955	10,642	92,846
Castor	4,785	4,437	1,141	485	331	184	201	472	1,003	7,253	12,963	6,482	39,737
Champion	1,370	1,339	566	610	396	310	351	771	1,541	3,791	3,166	1,931	16,142
Drumheller	141,407	180,742	58,102	27,192	20,749	12,512	5,902	58,608	81,888	197,842	220,572	162,832	1,168,348
Edmonton	63,250	72,184	45,012	28,043	21,274	19,451	16,600	13,680	23,495	63,217	80,996	67,901	515,103
Gleichen	1,322	945	407	3,307	262	803	267	1,249	769	5,052	5,917	4,939	25,239
Halcourt	649	439	172	36		6		121	210	363	823	536	3,355
Lethbridge	31,958	33,835	13,881	10,455	9,038	9,597	12,073	34,174	34,138	57,635	57,497	37,832	342,113
Magrath	88	69	47	33	22	22	7	16	19	33	117	68	541
Milk River	199	105	120	63	79	91	66	133	358	1,281	846	360	3,701
Pakan		29								44	120	83	276
Pakowki	52	50	7	10	11	18	11	85	99	544	382	90	1,359
Pembina	3,085	3,570	2,886	2,013	825	334	1,903	2,204	2,472	3,426	4,291	3,258	30,267
Redcliff	3,220	3,824	2,140	870	966	517	441	1,241	1,458	3,975	4,991	3,739	27,382
Rochester	107	104	4							30	242	242	729
Sexsmith											50	30	80
Sheerness	3,143	3,473	3,075	1,034	1,765	2,289	4,102	1,573	722	4,251	7,045	3,467	35,939
Taber	956	1,021	476	589	237	224	296	397	1,192	3,214	2,186	1,486	12,274
Tofield	3,712	3,475	3,082	2,441	3,221	2,657	2,703	2,462	3,209	5,259	6,728	5,264	44,213
Wetaskiwin	439	301	10	9	40	45	42	40	92	329	577	425	2,349
Whitecourt	48	44									80	45	217
No Area	1,023	884	143	4					84	621	1,537	941	5,237
Total	283,296	334,057	142,997	83,464	62,921	53,544	49,472	124,697	163,056	384,976	445,995	323,788	2,453,263

Total output of SUB-BITUMINOUS COAL by areas during each month:

Coalspur	44,631	47,758	73,627	29,894	2,872	1,374	4,514	7,936	22,070	35,424	39,093	42,234	351,427
Morley											24	37	61
Pekisko	648	315	215	278	153	199	358	425	254	762	868	605	5,080
Pincher	113	135	79	47	46	10	36	56	145	243	296	207	1,413
Prairie Creek	10,797	8,067	8,841	3,828	4,400	5,897	5,865	6,016	7,645	9,232	11,198	9,403	91,189
Saunders	5,428	4,829	3,479	180	636	261	383	1,193	4,311	7,361	6,475	5,206	39,742
Total	61,617	61,104	86,241	34,227	8,107	7,741	11,156	15,626	34,425	53,022	57,954	57,692	488,912

Total output of BITUMINOUS COAL by areas during each month:

Cascade	16,826	16,523	14,771	13,139	10,302	10,982	11,565	15,238	16,418	15,067	9,411	19,797	170,039
Crowsnest	90,934	102,398	107,781	96,667	107,198	105,331	100,071	141,604	97,943	102,269	109,125	113,683	1,275,004
Mountain Park	59,649	71,280	83,555	53,420	50,210	30,267	36,411	42,900	42,601	77,281	73,067	67,808	688,449
Nordegg	15,661	22,436	32,132	8,370	8,470	3,672	4,923	7,933	8,106	10,704	17,721	14,230	154,358
Total	183,070	212,637	238,239	171,596	176,180	150,252	152,970	207,675	165,068	205,321	209,324	215,518	2,287,850

Total output of COAL, COKE and BRIQUETTES during the year:

Coal	527,983	607,798	467,477	289,287	247,208	211,537	213,598	347,998	362,549	644,319	713,273	596,998	5,230,025
Coke	5,938	5,385	6,030	5,440	5,944	5,342	5,252	5,808	5,588	6,102	5,864	5,999	68,692
Briquettes	4,641	5,114	5,750	1,350	1,366	665	986	2,045	2,239	3,710	4,082	7,291	39,239

Total Sales of SUB-BITUMINOUS COAL for consumption by Railroad Companies:

Coalspur	20,258	29,113	57,383	24,808	988	108	377	1,463	10,389	18,220	16,519	17,107	196,733
Prairie Creek	5,310	3,870	5,945	3,110	3,883	5,412	5,284	5,033	5,072	4,705	6,151	4,279	58,054
Total	25,568	32,983	63,328	27,918	4,871	5,520	5,661	6,496	15,461	22,925	22,670	21,386	254,787

Total Sales of BITUMINOUS COAL for consumption by Railroad Companies:

Cascade	8,519	8,779	8,695	7,966	8,797	8,522	8,425	10,590	11,856	7,114	4,321	7,070	100,654
Crowsnest	50,240	64,900	73,447	69,032	77,213	81,422	76,244	117,623	62,729	66,102	66,674	64,685	870,311
Mountain Park	43,437	55,325	65,705	41,079	40,122	22,019	24,389	29,976	29,208	60,111	55,557	47,998	514,926
Nordegg	13,172	19,376	28,555	7,229	6,317	3,637	4,490	6,330	6,597	9,199	14,744	11,528	131,174
Total	115,368	148,380	176,402	125,306	132,449	115,600	113,548	164,519	110,390	142,526	141,296	131,281	1,617,065
Grand Total	140,936	181,363	239,730	153,224	137,320	121,120	119,209	171,015	125,851	165,451	163,966	152,667	1,871,852

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	568	585	279	6	..	33	.....	137	362	748	528	297	3,543
Big Valley	35	20	20	7					31	173	181	120	587
Brooks	682	634	218	150	130	122	115	252	663	2.504	2.178	762	8,410
Camrose	3.061	3.363	797	627	245	245	323	672	512	2.617	4,918	3,101	20,481
Carbon	3.063	3.550	1,074	827	470	524	180	1.133	1.003	4,629	5.197	2.959	24.609
Castor	1,679	999	409	196	97	57	55	155	350	1.579	3.061	1,394	10.031
Champion	1.032	1.066	441	503	331	265	301	663	1.345	2.969	2.736	1.629	13.281
Drumheller	9.925	15.252	4.456	2,381	2.625	812	430	6.510	4.642	16.989	20.830	13.704	98.556
Edmonton	16.390	19.811	9.066	3.941	1.770	570	778	2.487	3.677	15.358	20.267	16.542	110.657
Gleichen						367	90	220		1.718	1,589	936	4,920
Halcourt	363	307	83	28		6		36	200	312	635	390	2.360
Lethbridge	5.743	7.781	3.834	2.984	2.182	1.558	2.779	4.483	7.003	14.480	13.582	9.895	76.304
Magrath													
Milk River	28	9		9	13	5	13		97		410	16	600
Pakan													
Pakowki	12	4	7		11	6	5	10	46	279	143	26	549
Pembina	565	603	201	210	97	4	653	357	263	681	758	494	4,886
Redcliff	491	584	446					28	468	1.499	1.570	274	5.360
Rochester										18	132	116	266
Sexsmith													
Sheerness	161	189	43	27	14	16	15	20	49	188	751	220	1.693
Taber	634	667	313	442	164	152	180	222	837	2.074	1,359	801	7.845
Tofield	1.166	1.142	364	216	175	127	128	141	225	1.263	1.766	1.046	7.759
Wetaskiwin	161	106								74	124	84	549
Whitecourt													
No Area	498	454	76						2	289	685	367	2.371
Total	46,257	57.126	22,127	12,554	8.324	4.869	6.045	17.526	21.775	70,441	83.400	55,173	405.617

MINE-RUN COAL

Ardley	902	888	158	35	38	20	37	35	96	1,083	2,218	1,160	6,670
Big Valley	181	300	123	55	15	20	33	30	40	115	295	178	1,385
Brooks										142	68		210
Camrose	367	186	25			33			66	195	414	218	1,504
Carbon	690	854	397	150	132	84	49	251	463	2,508	2,295	1,136	9,009
Castor	2,726	3,082	551	183	162	75	124	209	515	5,270	9,118	4,714	26,729
Champion	80	48								313			441
Drumheller	906	739	190	216	177	423	180	1,055	742	1,108	1,871	883	8,490
Edmonton	13,889	14,852	11,203	9,953	9,821	10,094	9,367	2,739	8,672	16,225	17,895	14,883	139,593
Gleichen	1,322	945	407	2,843	262	258	157	981	769	2,878	3,922	3,789	18,533
Halcourt	274	122	86					85	28	12	140	137	884
Lethbridge	2,491	1,295	1,246	1,145	1,048	1,090	1,207	1,389	1,438	1,713	1,719	1,690	17,471
Magrath	88	69	47	33	22	22	7	16	19	33	117	68	541
Milk River	171	94	117	53	63	86	50	129	261	1,207	382	308	2,921
Pakan		29								44	120	74	267
Pakowki	40	46		10		12	6		53	404	239	64	874
Pembina	92	170	8	151	54		44	112	258	29	21	49	988
Redcliff	227	475	391	188	237	136	142	412	94	41		666	3,009
Rochester	59	55	3								22	65	204
Sexsmith											40	25	65
Sheerness	1,453	1,815	816	531	254	164	337	291	433	2,739	4,605	2,286	15,724
Taber	100	129	68	56	32	36	73	49	191	617	229	288	1,868
Tofield	871	851	515	402	377	324	245	165	552	636	1,020	729	6,687
Wetaskiwin						5			92	40	16	40	193
Whitecourt	40	32									77	32	181
No Area	50	6		2					33	44	9	67	211
Total	27,019	27,082	16,351	16,006	12,694	12,882	12,058	7,948	14,815	37,396	46,852	33,549	264,653

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	561	473	303	170	...	159	42	139	113	340	583	380	3,263
Big Valley	20	10	10	3	..	.....	...	.	.....	6	12	9	70
Brooks	.	9	1	2	...	...	...	.	.	9	122	18	161
Camrose	1,955	1,870	1,204	945	452	365	374	723	654	1,875	2,424	2,186	15,027
Carbon	2,354	2,823	2,325	1,292	525	677	604	1,104	1,538	3,496	3,269	2,447	22,454
Castor	81	70	40	48	27	30	7	60	47	68	177	86	741
Champion	159	144	89	83	57	38	45	95	171	447	375	265	1,968
Drumheller	4,180	6,841	3,412	2,951	1,743	802	632	2,719	3,097	5,908	9,575	4,712	45,572
Edmonton	17,599	19,804	14,273	8,318	5,975	5,466	3,999	5,647	6,273	16,676	22,577	20,420	147,027
Gleichen	...	.	.	464	.....	164	17	48	...	456	386	214	1,749
Halcourt	.	.	.	4	.	....	.....	.	.	3	5	4	16
Lethbridge	963	1,806	1,154	936	829	559	955	1,670	1,935	3,931	3,467	2,256	20,461
Pembina	542	791	779	500	65	49	1	285	779	973	1,046	1,369	7,179
Redcliff	57	33	23	18	.	4	3	...	...	.	169	193	500
Rochester	....	.	.	.	....	.	.	.	.	7	51	35	93
Sheerness	.	.	.	.	.	.	.	.	.	1	76	12	89
Taber	84	118	27	52	20	14	17	36	29	179	114	132	822
Tofield	248	307	.	.	.	.	.	.	....	151	266	280	1,252
Wetaskiwin	278	195	10	9	40	40	42	40	....	215	437	263	1,569
No Area	304	243	38	.	.	.	...	.	1	202	600	360	1,748
Milk River	.	.	.	.	.	.	...	.	.	.....	42	.	42
Total	29,385	35,537	22,688	15,795	9,733	8,367	6,738	12,566	14,637	34,943	45,773	35,641	271,803

SLACK COAL

Ardley	526	561	170	243		485	305	333	273	442	437	327	4,102
Brooks							2				3		5
Camrose	1,683	1,424	1,105	998	444	229	450	267	531	529	1,379	1,533	10,672
Carbon	1,390	1,231	807	371	135	379	450	398	554	869	954	1,290	8,828
Drumheller	8,879	10,057	4,968	2,809	2,686	1,523	1,137	2,937	4,201	6,211	8,270	7,226	60,904
Edmonton	12,582	15,050	9,542	5,667	3,173	3,065	2,532	2,852	3,776	11,369	15,008	13,590	98,206
Halcourt	2	3	3						3			1	12
Lethbridge	4,319	6,335	2,667	1,671	1,384	1,491	2,030	4,774	2,738	5,934	7,454	6,719	47,516
Pembina	599	641	572	412	108	107	677	691	818	997	1,217	716	7,555
Redcliff	394	43	12	4	5				176	139	216	68	1,057
Rochester	48	49	1							5	37	26	166
Sheerness	35	36									21		92
Taber													
Tofield	174			138	713	277	639	466	81	100	44		2,632
Wetaskiwin												38	38
Whitecourt												13	13
No Area	47	37	7	3					1	30	69	42	236
Castor									8				8
Pakan												6	6
Total	30,678	35,467	19,854	12,316	8,648	7,556	8,222	12,718	13,260	26,625	35,109	31,595	242,048

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Coalspur	1,142	1,496	2,272	9	47	36	401	210	427	1,088	1,726	1,706	10,560
Pekisko										82	52	68	202
Pincher	24	40	29	14	9		11	3	36	83	96	63	408
Prairie Creek	416	494	329	49	39			32	238	557	585	526	3,265
Saunders	274	85	1,087		110			66	189	545	294	239	2,889
Total	1,856	2,115	3,717	72	205	36	412	311	890	2,355	2,753	2,602	17,324

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	137	112	98	105	57	53	54	56	78	178	186	149	1,263
Morley											24	37	61
Pekisko	465	312	202	221	141	137	346	453	201	557	528	429	3,992
Pincher	45	48											93
Prairie Creek	49	73	47	12	8	13	12	27	17	43	60	44	405
Saunders	106	115	100	6	13		5	41	89	283	201	105	1,064
Total	802	660	447	344	219	203	417	577	385	1,061	999	764	6,878

NUT COAL

Coalspur	2,439	1,728	1,291	35	107	36	396	505	699	1,271	1,238	1,148	10,893
Pekisko												70	70
Pincher	10	18	34	15	17	8	12	16	58	100	141	94	523
Prairie Creek	112	202	52	4	53	10		59	88	204	130	99	1,013
Saunders	153	410	376		12	9	4	107	117	162	399	104	1,853
Total	2,714	2,358	1,753	54	189	63	412	687	962	1,737	1,908	1,515	14,352

SLACK COAL

Coalspur	535	266	421				45	46	231	547	531	220	2,842
Morley	150												150
Pekisko										27	40		67
Pincher									8	5			13
Prairie Creek	406	523	491	73		30	129	170	329	693	448	596	3,888
Saunders	28							39	31	8	35	12	153
Total	1,119	789	912	73		30	174	255	599	1,280	1,054	828	7,113

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Cascade	222	228	182	50	2	20	2	29	120	209	172	263	1,499
Crowsnest	447	540	271	167	137	84	64	82	155	387	489	454	3,277
Mountain Park	138	212	451	95	60	51	29	75	54	94	177	200	1,636
Nordegg													
Total	807	980	904	312	199	155	95	186	329	690	838	917	6,412

MINE-RUN COAL

Cascade			50		108	111	54		33				356
Crowsnest	2,120	2,610	1,470	1,096	877	546	1,045	1,269	849	2,051	2,150	2,415	18,498
Mountain Park	602	546	175	234	193	177	97	162	861	1,521	1,380	1,422	7,370
Nordegg	200	280	263	57	507	13	12	215	227	326	586	466	3,152
Total	2,922	3,436	1,958	1,387	1,685	847	1,208	1,646	1,970	3,898	4,116	4,303	29,376

NUT COAL

Cascade	135	143	118	81	30	67	54	110	165	161	163	208	1,435
Crowsnest	144	168	98	55	74	49	47	99	248	366	383	510	2,241
Mountain Park							49	79					128
Nordegg													
Total	279	311	216	136	104	116	150	288	413	527	546	718	3,804

SLACK COAL

Cascade	15	15	16		824	486	736	912	680	432	78	15	4,209
Crowsnest	290	875	386	200	248	231	161	280	263	895	576	621	5,026
Mountain Park	31			30			31	2			32	192	318
Total	336	890	402	230	1,072	717	928	1,194	943	1,327	686	828	9,553

Total amount of Domestic Coal disposed of by Areas during each month for consumption in British Columbia:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon	132	67	33	34			32		105	201	140	96	840
Drumheller	1,696	2.512	733	283	141		78	1.167	3.052	4.452	5.022	3.244	22,380
Edmonton	34								30	67	30	64	225
Halcourt										18	27		45
Lethbridge	956	1.513	824	472	286	327	297	2.777	3.589	3.792	2.843	1.933	19.609
Pembina		10							18	35	10	15	88
Redcliff											36		36
Total	2,818	4.102	1.590	789	427	327	407	3.944	6.794	8.565	8.108	5.352	43.223

MINE-RUN COAL

Drumheller		100	65										165
Pembina							30						30
Lethbridge	1.140												1.140
Total	1.140	100	65				30						1.335

NUT COAL

Carbon	34								35	32	106	33	240
Drumheller	999	1.933	555	776	945	155	32	549	1.190	1.900	2.719	2.346	14.099
Edmonton										32		33	65
Lethbridge	33	227	143	93	127	160	32	369	580	852	831	475	3.922
Pembina		55					149	113	48	55	50	15	485
Total	1.066	2.215	698	869	1.072	315	213	1.031	1.353	2.871	3.706	2.902	18.811

SLACK COAL

Drumheller				45						55	65	16	181
Lethbridge	1.536	217											1.753
Total	1,536	217		45						55	65	16	1.934

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Coalspur	2,128	1,657	145	102	43	16	410	651	848	1,835	2,959	2,686	13,480
Prairie Creek	426	347	84	38		31	36		331	420	508	723	2,944
Saunders	27							42	80	138	67	68	422
Total	2,581	2,004	229	140	43	47	446	693	1,259	2,393	3,534	3,477	16,846

MINE-RUN COAL

Coalspur	80				89	97	175	169	33		32		675
Prairie Creek		46	46		32			32		46			202
Saunders									33				33
Total	80	46	46		121	97	175	201	66	46	32		910

NUT COAL

Coalspur	2,528	1,497	1,057	311	497	110	473	878	1,466	1,839	2,518	2,723	15,897
Prairie Creek	335	205	384	147			30	63	247	250	613	369	2,743
Saunders	5								15	67		43	130
Total	2,868	1,702	1,441	458	497	110	503	941	1,728	2,256	3,131	3,135	18,770

SLACK COAL

Coalspur	33									16			49
Prairie Creek		53	11										64
Saunders										1			1
Total	33	53	11							17			114

Total amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade		32								126	46		204
Crowsnest	340	177	177	236	151	200	158	104	122	406	140	157	2.368
Total	340	209	177	236	151	200	158	104	122	532	186	157	2,572

MINE-RUN COAL

Cascade	153	46	179		32		33	33	46	177		46	745
Crowsnest	48	130	47	49	47			259	643	336	294	245	2.098
Mountain Park										59	34		93
Total	201	176	226	49	79		33	292	689	572	328	291	2.936

NUT COAL

Cascade			9				48	187		51		33	328
Crowsnest	676	589	414	382	293	287	367	475	655	980	945	1.072	7.135
Total	676	589	423	382	293	287	415	662	655	1.031	945	1.105	7.463

SLACK COAL

Crowsnest	8.760	8.979	10.987	9.307	8.517	9.022	9.453	10.868	9.926	11.296	13.250	13.156	123.521

Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

Ardley	138	33	199	..	..	..	37	..	130	298	170	67	1,072
Brooks	31	64	..	..	..	..	..	..	..	..	553	126	774
Camrose	209	110	272	..	..	..	34	112	81	396	605	161	1,980
Carbon	854	1,317	1,373	178	202	165	66	175	625	1,008	1,358	1,006	8,327
Drumheller	49,667	63,651	16,756	5,177	5,346	3,185	874	18,563	26,555	79,904	82,078	59,595	411,351
Edmonton	1,061	990	191	217	110	242	213	70	311	946	1,777	674	6,802
Lethbridge	4,278	10,542	3,171	2,117	1,496	1,052	2,647	12,283	10,304	17,228	17,417	10,692	93,227
Pembina	..	58	..	..	..	..	..	33	..	..	..	..	91
Redcliff	769	832	318	30	..	..	..	371	427	932	1,126	557	5,362
Sheerness	..	66	..	..	..	..	..	..	..	315	227	69	677
Taber	..	..	..	..	..	..	..	44	..	60	265	100	469
Tofield	97	130	32	..	..	..	..	..	205	833	727	171	2,195
Total	57,104	77,793	22,312	7,719	7,154	4,644	3,871	31,651	38,638	101,920	106,303	73,218	532,327

MINE-RUN COAL

Camrose	71	34	..	..	..	..	..	..	..	40	197	66	408
Carbon	..	..	..	..	697	619	733	875	621	178	371	..	4,094
Castor	..	..	..	..	..	..	..	..	..	..	..	..	..
Drumheller	506	1,320	548	533	99	816	338	2,754	1,048	554	486	40	9,042
Lethbridge	7,284	2,519	..	..	..	..	29	46	32	..	..	..	9,910
Pembina	362	1,021	1,108	488	205	..	..	32	..	190	67	..	3,473
Redcliff	316	430	330	369	469	232	146	148	41	..	181	656	3,318
Sheerness	731	926	1,778	233	1,370	1,973	3,548	1,056	100	704	420	424	13,263
Taber	..	..	..	..	..	..	..	..	..	..	..	..	..
Tofield	960	887	2,051	1,485	1,704	1,636	1,326	1,362	1,798	2,089	2,831	2,921	21,050
Total	10,230	7,137	5,815	3,108	4,544	5,276	6,120	6,273	3,640	3,755	4,553	4,107	64,558

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	204	96	32					65	133	792	498	168	1,988
Camrose	71	132	116	101	69	63	35	65	33	166	78	33	962
Carbon	405	618	785	105	32	35	93	96	345	600	611	575	4,300
Drumheller	18,353	24,232	10,765	4,610	2,565	1,611	528	9,560	11,250	32,218	29,404	23,016	168,112
Edmonton	492	608	716	278		75		33	64	222	320	227	3,035
Lethbridge	629	1,058	1,481	903	551	726	928	3,650	3,163	4,994	5,203	3,046	26,332
Pembina	745	183	155	149	158	80	246	488	160	327	952	420	4,063
Redcliff	101	122									30		253
Sheerness	32	33		47	34		37						183
Tofield													
Total	21,032	27,082	14,050	6,193	3,409	2,590	1,867	13,957	15,148	39,319	37,096	27,485	209,228

SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley													
Camrose			16					58					74
Carbon	303	460	144	241	182	163	326	337	429	322	297	564	3,768
Drumheller	12,651	19,522	9,032	6,247	4,278	2,205	1,405	5,124	6,462	13,221	15,697	15,402	111,246
Edmonton													
Lethbridge	366	264	195	360	431	195	202	547	1,386	1,700	1,032	46	6,724
Pembina													
Redcliff	493	936	520	250	247	141	150	242	138	896	1,143	851	6,007
Sheerness	102	252	260	103	32	102	133	170	98	34	202	185	1,673
Tofield					132	220	215	228	134			32	961
Total	13,915	21,434	10,167	7,201	5,302	3,026	2,431	6,706	8,647	16,173	18,371	17,080	130,453

Total amount of Sub-Bituminous Coal disposed by areas during each month for consumption in Saskatchewan:

LUMP COAL

Coalspur	132	203					47	229	391	627	277	197	2,103
Prairie Creek	32	131					62	65	31	65	63		449
Saunders	277	262	120					113	513	1,037	681	346	3,349
Total	441	596	120				109	407	935	1,729	1,021	543	5,901

MINE-RUN COAL

Pekisko				45		50			41	32	196	66	430
Prairie Creek	33	46											79
Saunders	68							33	87	277	267	170	902
Total	101	46		45		50		33	128	309	463	236	1,411

NUT COAL

Coalspur	98	281		58	51	280	205	176	158	258	696	409	2,670
Prairie Creek	31	32								32	31	98	224
Saunders	674	851	202	45	121		28	88	532	578	619	657	4,395
Total	803	1,164	202	103	172	280	233	264	690	868	1,346	1,164	7,289

SLACK COAL

Coalspur		347											347
Prairie Creek	36												36
Saunders	170	188	97		30		74	106	193	436	548	513	2,355
Total	206	535	97		30		74	106	193	436	548	513	2,738

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade									25	152	130		307
Crowsnest	67	46		41					81	100	322	65	722
Mountain Park										46		47	93
Total	67	46		41					106	298	452	112	1,122

MINE-RUN COAL

Crowsnest	1,010	1,908	634	147	49	83	31	539	421	1,240	1,570	1,337	8,969
Mountain Park	111		77	33	65	113	150	90	145	561	427	310	2,082
Total	1,121	1,908	711	180	114	196	181	629	566	1,801	1,997	1,647	11,051

NUT COAL

Cascade	260	180	67	33		42		80	117	299	184	236	1,498
Crowsnest	385	612	161	14		47	154	212	236	777	511	445	3,554
Total	645	792	228	47		89	154	292	353	1,076	695	681	5,052

SLACK COAL

Cascade	451	557	396	141	375	190	47	95		246		211	2,709
Crowsnest	3,602	3,811	2,587	1,733	3,596	2,706	1,908	1,976	2,342	3,935	4,865	4,128	37,189
Mountain Park				33							66	80	179
Total	4,053	4,368	2,983	1,907	3,971	2,896	1,955	2,071	2,342	4,181	4,931	4,419	40,077

Total amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Camrose	91	32		32			74		30	34	35	32	360
Carbon	992	538	138	33	42	68	37		488	379	436	497	3,648
Drumheller	16,936	17,568	2,993	209	409	442	190	2,564	8,959	17,746	21,249	16,185	105,450
Edmonton	453	229	201	34	32	33		119	80	324	512	195	2,212
Lethbridge	188	888	66	45	1,291	1,931	1,371	774	1,091	1,081	1,314	966	11,006
Redcliff	312	287	64						74	380	412	391	1,920
Sheerness	66												66
Tofield	33									167	68		268
Total	19,071	19,542	3,462	353	1,774	2,474	1,672	3,457	10,722	20,111	24,026	18,266	124,930

MINE-RUN COAL

Drumheller	306	330	332			103	73	407	133	331	139	67	2,221
Lethbridge	964												964
Sheerness	385		67										452
Total	1,655	330	399			103	73	407	133	331	139	67	3,637

NUT COAL

Camrose	34	65	33					34	18			32	216
Carbon	605	180	33					32	69	35	330	98	1,382
Drumheller	3,616	4,158	1,200	307	171	306	95	1,289	2,620	5,080	5,774	4,300	28,916
Edmonton	33	66							47	197	67	64	474
Lethbridge		75						54	157	174	198	33	691
Pembina					80								80
Total	4,288	4,544	1,266	307	251	306	95	1,409	2,911	5,486	6,369	4,527	31,759

SLACK COAL

Carbon									33				33
Drumheller	3,419	3,586	1,063	158		346		1,062	2,258	1,466	2,296	4,008	19,662
Lethbridge		201										533	734
Pembina	33												33
Total	3,452	3,787	1,063	158		346		1,062	2,291	1,466	2,296	4,541	20,462

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	4,758	2,659	910		32		350	1,518	1,792	2,272	2,706	4,210	21,207
Prairie Creek	719	422	744	31				63	104	356	588	548	3,575
Saunders	1,013	505	182	33	34	44	30	149	970	652	978	737	5,327
Total	6,490	3,586	1,836	64	66	44	380	1,730	2,866	3,280	4,272	5,495	30,109

MINE-RUN COAL

Pekisko	152									52			204
Saunders	15	67								101	180	31	394
Total	167	67								153	180	31	598

NUT COAL

Coalspur	3,914	3,721	2,753	669	150	56	236	452	1,396	2,953	3,876	5,823	25,999
Prairie Creek	199	186	31						198	361	643	627	2,245
Saunders	865	726	438		110		32	199	263	794	435	398	4,260
Total	4,978	4,633	3,222	669	260	56	268	651	1,857	4,108	4,954	6,848	32,504

SLACK COAL

Coalspur	485	373	270				134	92	364	393	747	954	3,812
Prairie Creek	618	245	77										940
Saunders	441	387	107				34		377	514	410	510	2,780
Total	1,544	1,005	454				168	92	741	907	1,157	1,464	7,532

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Cascade								94	2		84	180
Crowsnest							48					48
Mountain Park		35		95		81		45	81		33		370
Total		35		95		81		93	175	2	33	84	598

MINE-RUN COAL

Crowsnest	416	405	290	67		95	99	117	49	424	514	514	2,990
Mountain Park	1,961	1,800	227	67			130	555	275	1,106	628	1,195	7,944
Total	2,377	2,205	517	134		95	229	672	324	1,530	1,142	1,709	10,934

NUT COAL

Cascade	1,369	1,121	797	166	174		47	154	345	1,044	630	2,477	8,324
Crowsnest	322	173	194	47	190	219	283	402	260	224	228	189	2,731
Mountain Park	190	286	289	418	501	238	230	194	281	282		99	3,008
Total	1,881	1,580	1,280	631	865	457	560	750	886	1,550	858	2,765	14,063

SLACK COAL

Cascade	1,341	867	862	477	113	175	223	175	314	580	438	1,290	6,855
Crowsnest	2,588	2,254	923	960	555	436	709	603	453	386	1,943	3,049	14,859
Mountain Park	10,239	10,271	13,214	8,366	6,237	5,047	8,664	9,061	8,805	10,309	11,655	12,955	114,823
Total	14,168	13,392	14,999	9,803	6,905	5,658	9,596	9,839	9,572	11,275	14,036	17,294	136,537

Total amount of Domestic Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose	....	....	..	.	..	.	.....	....	48	.....	..	. .	48
Carbon	37		.	.	.	.	.	.	48		36		121
Drumheller	5,923	5,061	1,539	194	33	95	110	533	3,208	3,610	6,278	4,888	31,472
Edmonton	176	35	34	..	. ..		...		98	186	16	36	581
Lethbridge	41	.	33	..		234	.	33	..	71		33	445
Total	6,177	5,096	1,606	194	33	329	110	566	3,402	3,867	6,330	4,957	32,667

MINE-RUN COAL

Castor	. .	..		.	...	.	...	.			22		22
Drumheller	. ...	.		.		..	34		.	.		.	34
Total	. .	.. ..		.	.. .	. .	34		.		22		56

NUT COAL

Carbon	36	67	30	.	.	. .	. .			31	114	38	316
Drumheller	766	650	188	65		66	.. ...	71	495	750	1,536	1,063	5,650
Edmonton	89	...	33		.	. ..	..		65	88	47	29	351
Total	891	717	251	65	.	66		71	560	869	1,697	1,130	6,317

SLACK COAL

Drumheller	. ...	.		..	..	.. ..	.....			32	.	.	32

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL

Coalspur	1,319	633	376	31	32	...	237	146	716	837	1,159	796	6,282
Prairie Creek	752	193	32	.	.	..		33	276	332	455	442	2,515
Saunders	704	639	454	47	31	..	.	38	455	882	677	700	4,627
Total	2,775	1,465	862	78	63	..	237	217	1,447	2,051	2,291	1,938	13,424

MINE-RUN COAL

Saunders	.....	.....	....	.....	.....	....	....	..	.	295	.		295

NUT COAL

Coalspur	41	29	67	32			11	63	147	164	424	160	1,138
Prairie Creek	148	32							134	211	33	110	668
Saunders	128	111			44	177		33	17	100	67		677
Total	317	172	67	32	44	177	11	96	298	475	524	270	2,485

SLACK COAL

Saunders	.....		.	...		..	99	.		..			99

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Ontario:

MINE-RUN COAL

Crowsnest	66	25	67		34		.		..	..	48	48	288
Mountain Park			.	45				..	...				45
Total	66	25	67	45	34					.	48	48	333

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crowsnest	128	52							66	146	268	177	837

SLACK COAL

Cascade													
Crowsnest	1,957	3,078	1,799	1,030	884	927	689	613	542	1,102	2,072	2,841	17,534
Mountain Park										34			34
Total	1,957	3,078	1,799	1,030	884	927	689	613	542	1,136	2,072	2,841	17,568

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in North-West Territories:

LUMP COAL

Prairie Creek					37	46							83

Total amount of Domestic Coal disposed of by areas during each month for consumption in the United States:

LUMP COAL

Carbon	35										40	36	111
Drumheller	118	32	45		32				41	147	114	153	682
Lethbridge	489	319	95			238		122	345	548	634	448	3,238
Taber	47												47
Total	689	351	140		32	238		122	386	695	788	637	4,078

MINE-RUN COAL

Lethbridge	44												44

NUT COAL

Carbon	40	35	41						33		66		215
Drumheller	235	259	34					79	125	202	350	379	1,663
Lethbridge		507	169	70	33	34	39	502	452	324	763	598	3,491
Total	275	801	244	70	33	34	39	581	610	526	1,179	977	5,369

SLACK COAL

Lethbridge	204						39		185	45	136		609

Total amount of Bituminous Coal disposed of by areas during each month for consumption in the United States:

LUMP COAL

Crowsnest	36			33							69		138

MINE-RUN COAL

Crowsnest	48					192	129		48		46	48	511

NUT COAL

Crowsnest	1,627	1,033	773	473	240	36	158	396	429	379	630	819	6,993

SLACK COAL

Crowsnest	1,249	1,716	1,455	496	508	491	445	582	1,430	1,852	2,069	2,472	14,765

Amount of Domestic Coal used under Colliery Boilers by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	100	75	50	50		80	40	60	70	100	90	80	795
Brooks	10	10	9	6	8	8	6	3	11	12	12	10	105
Camrose	90	90	80	70	50	45	70	70	30	110	110	90	905
Carbon	40	50	40	20	10	10	6	10	20	30	40	30	306
Castor	28	12	10	4					6	13	18	15	106
Drumheller	1,399	2,111	1,101	885	566	552	504	853	833	1,250	1,560	1,495	13,109
Edmonton	799	697	709	470	393	300	201	307	490	689	879	872	6,806
Halcourt	10	7							7	7	7	7	45
Lethbridge	433	443	335	256	178	145	70	88	73	221	565	514	3,321
Pembina	66	63	62	56	58	94	103	93	118	125	130	148	1,116
Sheerness	38	27	30	40	20	12	10	10	10	20	30	30	277
Taber	11	12	6	7	3		6	8	15	50	26	30	174
Tofield	100	100	100	200	200	350	350	350	200	100	50	50	2,150
No Area	12	12	12	9					9	10	12	12	88
Total	3,136	3,709	2,544	2,073	1,486	1,596	1,366	1,852	1,892	2,737	3,529	3,383	29,303

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

Coalspur	1,484	1,822	1,589	1,184	720	732	733	1,220	1,221	1,535	1,613	1,705	15,558
Morley													
Pekisko	15	3	13	12	12	12	12	12	12	12	12	12	139
Pincher													
Prairie Creek	648	595	490	389	444	575	482	659	548	582	622	672	6,706
Saunders	480	483	316	49	117	34	34	193	350	491	602	573	3,722
Total	2,627	2,903	2,408	1,634	1,293	1,353	1,261	2,084	2,131	2,620	2,849	2,962	26,125

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

Cascade	1,568	1,543	1,550	1,475	1,305	1,272	1,304	1,721	1,495	1,922	1,817	2,521	19,493
Crowsnest	2,270	2,390	2,201	2,019	1,661	1,555	1,542	1,588	1,500	1,652	2,231	2,330	22,939
Mountain Park	2,940	2,805	3,417	2,925	3,032	2,541	2,642	2,661	2,891	3,158	3,078	3,300	35,390
Nordegg	617	482	460	229	161	120	114	184	159	279	379	399	3,583
Total	7,395	7,220	7,628	6,648	6,159	5,488	5,602	6,154	6,045	7,011	7,505	8,550	81,405

Amount of Domestic Coal used by Colliery Railroads by areas during each month:

Redcliff	60	82	36	11	8	4	..	40	40	88	108	83	560

Amount of Sub-Bituminous Coal used by Colliery Railroads by areas during each month:

Coalspur	379	535	786	595	218	200	200	200	289	360	385	413	4,560

Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

Cascade	48	45	42	36	30	30	30	42	48	40	27	54	472
Crowsnest	51	67	52	47	54	52	50	59	47	53	52	64	648
Total	99	112	94	83	84	82	80	101	95	93	79	118	1,120

Amount of Bituminous Coal used making Briquettes:

Cascade	2,717	2,561	2,253	2,507	549	217	424	1,167	1,197	1,971	1,862	5,020	22,445
Nordegg	1,672	2,298	3,263	855	828	371	494	817	948	1,462	2,012	1,837	16,857
Total	4,389	4,859	5,516	3,362	1,377	588	918	1,984	2,145	3,433	3,874	6,857	39,302

Amount of Bituminous Coal used making Coke:

Crowsnest	8,907	8,077	9,046	8,159	8,917	8,013	7,878	8,712	8,381	9,152	8,796	9,460	103,498

Amount of Domestic Coal Put to Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley									20				20
Camrose		50						40		365	690	25	1.170
Carbon	68	218	9				34				195	4	528
Castor		17	4	5	3	2	2		5	5	134		177
Champion		14											14
Drumheller	1.342	1.075	255	341	75	5	70	866	519	575	1.820	665	7.608
Edmonton	20	185								780	1,572	233	2.790
Halcourt											9		9
Lethbridge	371	356	110	96		65	5	588	227	220	273	300	2.611
Pakowki								75					75
Pembina	63			11					10				84
No Area									44	30	25		99
Taber		5											5
Tofield												35	35
Total	1.864	1.920	378	453	78	72	111	1.569	825	1.975	4.718	1.262	15.225

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

Coalspur	937	407	45				95	85	187	140	420	542	2.858
Pekisko											40		40
Pincher								23	23				46
Prairie Creek	228	166	42								58		494
Saunders					14		54				15		83
Total	1.165	573	87		14		149	108	210	140	533	542	3.521

Amount of Bituminous Coal Put to Stock by areas during each month:

Cascade	324	705	245	447	470	315	453	396	268	789	322	582	5.316
Crowsnest	3,620	320	904	1.277	2.964	449	199	34	6,086	194	195	2,561	18.803
Nordegg					657	188		387	562				1.794
Total	3,944	1.025	1.149	1.724	4.091	952	652	817	6.916	983	517	3.143	25.913

Amount of Domestic Coal Put to Waste by areas during each month:

Ardley	28	25											53
Big Valley	1	2	1	1	1	1	1	2	2	5	6	4	27
Camrose	13	65	10				75	40		235	220	12	670
Carbon	68	41	25	9	42	4		1	11	167	100	32	500
Castor	271	257	127	49	42	20	13	48	72	318	433	269	1.919
Champion	99	67	36	24	8	7	5	13	25	62	55	37	438
Drumheller	350	320	68	7	25			16	1.024	4.552	3.639	565	10.566
Edmonton	34	61	28			2		2	2	58	29	40	256
Gleichen						14	3				20		37
Halcourt				4						11			15
Lethbridge	39	54	44	32	7	42	32	25	28	327	266	180	1.076
Milk River		2	3	1	3		3	4		74	12	36	138
Pakan												3	3
Pembina	18	10	1	47						14	40	32	162
Sexsmith											10	5	15
Sheerness	140	129	81	53	41	22	22	26	32	250	713	241	1.750
Taber	80	90	62	32	18	22	20	38	120	234	193	135	1.044
Tofield	63	58	20		30				14	20			205
Whitecourt	8	12									3		23
No Area	112	132	15						2	60	151	129	601
Total	1.324	1,325	521	259	217	134	174	215	1.332	6.387	5.890	1.720	19.498

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

Coalspur	2.006	1.029	4.589	2.110	36		19	32	1.343	1.128	1.221	1.421	14.934
Pekisko	16												16
Pincher	34	29	16	18	20	2	13	14	20	55	59	50	330
Prairie Creek	266	206	36						32	275	250	270	1.335
Total	2.322	1.264	4.641	2.128	56	2	32	46	1.395	1.458	1.530	1.741	16.615

Amount of Bituminous Coal Put to Waste by areas during each month:

Cascade				5		5			10	20	10	10	60

Amount of Domestic Coal Lifted from Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley				66				20					86
Camrose	75		353	280	10	119	123				110		1,070
Carbon	70	68	206		116	33		34				195	722
Drumheller	765	567	1,196	1,002	1,167	935	808	70	566	419	200	1,120	8,815
Edmonton	401	144	984	835		396	490	568	90				3,908
Halcourt									28			3	31
Lethbridge	331	2,565	1,686	725	772	250	589		588		200	2,525	10,231
Pakowki										139			139
Pembina		35		11									46
Tofield					110								110
No Area										44	14	36	94
Total	1,642	3,379	4,425	2,919	2,175	1,733	2,010	692	1,272	602	524	3,879	25,252

Amount of Sub-Bituminous Coal Lifted from Stock by areas each month:

Coalspur	169	120	400	130	180	350	84	255	105	227	140	135	2,295
Morley	150												150
Pekisko								40				40	80
Prairie Creek				25	96	220	170	220			40		771
Saunders						3	11	54					68
Total	319	120	400	155	276	573	265	569	105	227	180	175	3,364

Amount of Bituminous Coal Lifted from Stock by areas each month:

Cascade	296	299	690	245	2,507	470	315	453	395	268	789	323	7,050
Crowsnest	480	2,537	602	400	11	1,811	1,742	5,336	18	2,166	2,205	179	17,487
Nordegg			409			657	187		387	562			2,202
Total	776	2,836	1,701	645	2,518	2,938	2,244	5,789	800	2,996	2,994	502	26,739

Amount of Domestic Coal Lifted from Waste by areas each month

Camrose	150		200	145	90				160				745
Carbon							33	24					57
Edmonton		60						8				1	69
Lethbridge	222				33								255
Tofield						277	200	250		100	44		871
No Area			5	10					8				23
Total	372	60	205	155	123	277	233	282	168	100	44	1	2,020

Amount of Sub-Bituminous Coal Lifted from Waste by areas each month:

Coalspur		30	25	25	15					10			105

Output and Number of Mines Producing

Kind of Coal	Under 1,000 tons		1,000 to 5,000 tons		5,000 to 10,000 tons		10,000 to 50,000 tons		50,000 to 100,000 tons		100,000 to 150,000 tons		150,000 to 200,000 tons		200,000 to 300,000 tons		Over 300,000 tons		Total	
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output
Domestic	125	50,053	72	143,640	15	106,622	36	818,442	14	949,783	2	217,965	1	166,758					265	2,453,263
Sub-Bituminous	8	3,311	3	4,327			6	190,595	1	63,362	2	227,317							20	488,912
Bituminous	2	303	3	5,888			1	14,808	1	70,456	1	143,431	4	692,369	4	1,015,688	1	344,907	17	2,281,850
Total	135	53,667	78	153,855	15	106,622	43	1,023,845	16	1,083,601	5	588,713	5	859,127	4	1,015,688	1	344,907	302	5,230,025

Number of men employed in the DOMESTIC FIELD as at December 31, 1938:

Areas	UNDERGROUND													ABOVE GROUND											TOTAL
	Officials	Hand Cutters	Machine Cutters & Help'rs	Machine Loaders	Chute Loaders	Horse H'l'ge Employees	Mechanical H'l'ge Emp'ls	Ventilation Employees	Road Makers	Timber Men	Pump Men	Other Employees	Total Underground	Administration	Foremen and Clerks	Screenmen and Loaders	Engine Men	Firemen	Machinists	Carpenters and Masons	Other Mechanics	Surface Haulage	All Other Employees	Total Above Ground	
Ardley	12	22	3	16		4						5	62		1	6	1	1			1			10	72
Big Valley	4	6	3	...								1	14												14
Brocks	1	7	...	...		1							9	2			1						7	10	19
Camrose	5	82	...	...		9			1			3	100	5	3	11	3					1	9	32	132
Carbon	16	17	14	93		21			1	3		5	170	2	3	16	3	1	3			1	7	36	206
Castor	36	97				3						8	144	1	2	1	6							10	154
Champion	8	39	2	3			1						53				3					4		7	60
Drumheller	105	34	198	1,125		196	66	10	83	48	2	151	2,018	12	48	200	12	7	9	7	14	6	94	409	2,427
Edmonton	55	259	41	313		52	21	2	25	63	6	43	880	8	26	46	25	3	2	8	4	6	28	156	1,036
Gleichen	8	47	8	...		3				2		14	82	1	2	3	1					1	5	13	95
Halcourt	6	20		...									26			1						1		2	28
Lethbridge	35	44	46	288		48	31	2	7	10	2	6	519	4	24	28	11	4	7	5	15	7	54	159	678
Magrath	1	2	...	..									3									1		1	4
Milk River	2	5		..									7	2	1								1	4	11
Pakan	2	2		..									4		2	1				...			3	6	10
Pakowki	4	6		..									10												10
Pembina	4	33	1	4		5	1	1				2	51	1		6	3		1		...	1		12	63
Redcliff	2		4	27		6			2	2		3	46		...	8	1	..	1	..		1	2	13	59
Rochester	2	6		...				..					8			1							1	2	10
Sexsmith	1			..									1										1	1	2
Sheerness	6	11		...									17	8	6		2		...			2	20	38	55
Taber	12	10	4	11		1						1	39		2		1					1	2	6	45
Tofield	2	4		....					..				6	2	4	27	1				1	1	10	46	52
Wetaskiwin	4	10		..				..				1	15												15
Whitecourt	1	1		..						...			2												2
No Area	3	14										5	22		2	2	1					1	1	7	29
Total	337	778	324	1,880		349	120	15	119	128	10	248	4,308	48	126	357	75	16	23	20	35	35	245	980	5,288

Number of men employed in the SUB-BITUMINOUS FIELD as at December 31, 1938

Coalspur	13	105	18	18	16	15	2			10	2	1	200	11	18	64	18	15	8	5	12	25	81	257	457
Morley	1				1							1	3												3
Pekisko	5	4			1							1	11	1			2							3	14
Pincher	2	2											4	2										2	6
Prairie Creek	6	24	8	31	8	4	3	2	4	6	1	12	109	1	5	22	5	5		2	3	4	5	52	161
Saunders	5	20	12	45		5	6		2	4		2	101	3	3	15	6	2	1	1		3	3	37	138
Total	32	155	38	94	26	24	11	2	6	20	3	17	428	18	26	101	31	22	9	8	15	32	89	351	779

BITUMINOUS FIELD

Cascade	16	105				4	31	2	6	5		13	182	1	9	32	7	10	3	2			28	92	274
Crowsnest	70	812	2	13	135	42	118	19	24	122	7	89	1,453	12	51	129	20	23	20	12	37	34	112	450	1,903
Mountain Park	21	255	10		27	36	34	16	3	55	5	32	494	2	19	66	21	25	14	15	6	10	109	287	781
Nordegg	7	92				20	14	1	13	11	1		159	2	12	7	4	1	2	4	7	2	34	75	234
Total	114	1,264	12	13	162	102	197	38	46	193	13	134	2,288	17	91	234	52	59	39	33	50	46	283	904	3,192

SUMMARY

Domestic	337	778	324	1,880		349	120	15	119	128	10	248	4,308	48	126	357	75	16	23	20	35	35	245	980	5,288
Sub-Bituminous	32	155	38	94	26	24	11	2	6	20	3	17	428	18	26	101	31	22	9	8	15	32	89	351	779
Bituminous	114	1,264	12	13	162	102	197	38	46	193	13	134	2,288	17	91	234	52	59	39	33	50	46	283	904	3,192
Total	483	2,197	374	1,987	188	475	328	55	171	341	26	399	7,024	83	243	692	158	97	71	61	100	113	617	2,235	9,259

Men employed above and below ground in the DOMESTIC FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Ardley	77	67	45	29	22	24	25	31	33	70	76	72	48
Big Valley	14	12	10	8	2	2	5	2	10	12	15	14	8
Brocks	14	11	11	7	7	7	7	7	15	32	33	19	14
Camrose	133	121	64	56	40	47	52	65	82	98	148	132	86
Carbon	215	192	162	97	80	115	112	118	137	197	213	206	154
Castor	121	105	59	26	19	16	32	41	60	155	188	154	81
Champion	59	58	43	42	36	36	36	34	48	74	69	60	50
Drumheller	2,517	2,417	1,619	744	692	568	528	1,355	1,802	2,320	2,437	2,427	1,619
Edmonton	975	972	667	495	388	382	380	433	524	867	1,044	1,036	680
Gleichen	28	21	19	42	12	93	32	50	30	169	121	95	59
Halcourt	33	22	11	5	..	4	2	13	18	24	47	28	19
Lethbridge	679	671	537	383	325	336	417	569	610	673	688	678	547
Magrath	7	7	7	6	6	6	2	2	2	3	4	4	4
Milk River	10	10	10	8	8	7	7	7	13	33	33	11	13
Pakan	4	4	..	..	..	..	....	..	..	5	5	10	5
Pakowki	10	10	6	7	5	8	6	7	9	10	10	10	8
Pembina	67	67	57	50	44	42	54	46	48	57	63	63	55
Redcliff	57	56	42	29	28	26	12	47	30	54	63	59	42
Rochester	4	4	4	..	3	3	4	2	2	6	8	10	4
Sheerness	43	43	37	26	34	29	43	23	34	53	52	55	39
Taber	39	41	22	27	17	21	24	20	41	60	52	45	34
Tofield	47	44	39	39	60	63	60	66	42	48	57	52	51
Wetaskiwin	9	9	3	4	4	5	5	5	7	10	14	15	7
Whitecourt	1	1	..	..	..	..	..	..	..	..	..	2	2
No Area	28	21	11	2	..	4	3	3	14	29	35	29	16
Sexsmith	.....	..	..	..	..	..	.....	..	..	..	2	2	2
Total	5,191	4,986	3,485	2,132	1,832	1,844	1,848	2,946	3,611	5,059	5,479	5,288	3,647

Men employed above and below ground in the SUB-BITUMINOUS FIELD by areas each month:

Coalspur	437	427	393	279	282	284	344	313	389	423	460	457	374
Morley	1										3	3	3
Pekisko	19	10	11	11	9	9	7	14	9	15	16	14	12
Pincher	5	5	4	4	4	2	4	4	5	7	7	6	5
Prairie Creek	147	143	131	120	122	116	117	126	136	145	158	161	135
Saunders	132	121	108	30	82	63	81	93	117	138	139	138	104
Total	741	706	647	444	499	474	553	550	656	728	783	779	633

Men employed above and below ground in the BITUMINOUS FIELD by areas each month:

Cascade	264	266	271	272	268	269	275	273	268	273	249	274	269
Crowsnest	1,895	1,896	1,883	1,883	1,579	1,895	1,908	1,916	1,907	1,912	1,921	1,903	1,875
Mountain Park	713	725	751	755	762	712	676	713	700	790	806	781	740
Nordegg	250	250	268	255	251	243	235	246	250	245	241	234	247
Total	3,122	3,137	3,173	3,165	2,860	3,119	3,094	3,148	3,125	3,220	3,217	3,192	3,131

Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS FIELDS by areas each month:

Domestic	5,191	4,986	3,485	2,132	1,832	1,844	1,848	2,946	3,611	5,059	5,479	5,288	3,647
Sub-Bituminous	741	706	647	444	499	474	553	550	656	728	783	779	633
Bituminous	3,122	3,137	3,173	3,165	2,860	3,119	3,094	3,148	3,125	3,220	3,217	3,192	3,131
Total	9,054	8,829	7,305	5,741	5,191	5,437	5,495	6,644	7,392	9,007	9,479	9,259	7,411

PER CAPITA PRODUCTION OF MINES IN THE PROVINCE

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,202,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871
1931	4,563,309	8,070	577	5,969	701
1932	4,867,984	7,837	621	5,772	844
1933	4,714,784	8,042	586	5,937	794
1934	4,748,848	7,863	604	5,809	744
1935	5,462,973	7,800	700	5,644	969
1936	5,696,375	8,110	702	5,940	959
1937	5,551,682	7,836	708	5,806	956
1938	5,230,025	7,411	706	5,427	965

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765
1931	2,245,563	4,400	510	3,419	628
1932	2,574,785	4,548	566	3,539	728
1933	2,434,947	4,480	543	3,487	698
1934	2,295,566	4,289	535	3,370	644
1935—Stp. pit	130,084	96	1,355		
B. Ground	2,517,828	3,927	658	3,059	823
1936—Stp. pit	80,111	107	749		
B. Ground	2,761,120	4,112	671	3,243	851
1937—Stp. pit	80,116	79	1,014		
B. Ground	2,551,034	3,148	810	3,162	832
1938—Stp. pit	72,829	74	945		
B. Ground	2,380,434	3,573	667	2,846	801*

*See note on page over.

PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1922—Stp. pit	367,514	217	1.692		
B. Ground	179,550	403	445	277	648
1923—Stp. pit	288,467	190	1.513		
B. Ground	174,994	354	494	260	673
1924—Stp. pit	369,724	211	1.752		
B. Ground	222,222	393	565	278	799
1925—Stp. pit	335,993	162	2.074		
B. Ground	245,842	461	533	326	754
1926—Stp. pit	258,964	147	1.761		
B. Ground	231,407	443	545	305	758
1927—Stp. pit	304,584	193	1.583		
B. Ground	290,606	478	608	321	905
1928—Stp. pit	394,682	179	2.205		
B. Ground	345,810	645	536	457	756
1929—Stp. pit	319,764	163	1.962		
B. Ground	348,344	585	595	402	866
1930—Stp. pit	304,144	157	1.937		
B. Ground	299,187	569	526	390	767
1931—Stp. pit	280,251	161	1.803		
B. Ground	191,138	486	393	336	569
1932—Stp. pit	348,266	177	1.868		
B. Ground	211,213	491	430	341	619
1933—Stp. pit	309,365	170	1.820		
B. Ground	244,776	516	474	370	661
1934—Stp. pit	302,054	158	1.912		
B. Ground	235,488	482	489	326	722
1935—Stp. pit	287,970	180	1.600		
B. Ground	278,466	501	830	337	826
1936—Stp. pit	263,899	175	1.508		
B. Ground	302,587	532	569	360	841
1937—Stp. pit	229,747	149	1.542		
B. Ground	276,782	504	549	348	795
1938—Stp. pit	227,317	148	1.536		
B. Ground	261,595	633	772	327	800*

*See note on page over.

PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD

1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,380	4,133	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,862	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077
1930	2,278,490	3,341	682	2,461	926
1931	1,846,357	3,023	611	2,214	834
1932	1,733,720	2,621	660	1,892	916
1933	1,726,596	2,876	600	2,080	830
1934	1,915,740	2,934	653	2,113	907
1935	2,248,625	3,096	726	2,248	1,000
1936	2,288,658	3,184	719	2,337	979
1937	2,414,003	3,156	765	2,295	1,052
1938	2,287,850	3,131	731	2,254	1,015

PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

NOTE.—The table showing the number of men employed in the Anthracite Coal Field, includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike affecting all the larger mines in the Province, lasted for a period of six and one-half months.

NOTE.—*Calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

It will also be noted that the tonnage used in the above and following tables does not include tonnage extracted under permit.

PER CAPITA PRODUCTION OF MINES BY AREAS:

DOMESTIC COAL FIELD

Area	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley	21,420	48	446	39	526
Big Valley	2,069	8	259	7	295
Brooks	9,665	14	690	5	1,933
Camrose	52,662	86	612	64	823
Carbon	92,846	154	603	124	749
Castor	39,737	81	490	73	544
Champion	16,142	50	323	44	362
Drumheller	1,168,348	1,619	722	1,301	898
Edmonton	515,103	680	758	562	917
Gleichen	25,239	59	428	49	515
Halcourt	3,355	19	177	17	197
Lethbridge	342,113	547	625	407	841
Magrath	541	4	135	3	180
Milk River	3,701	13	285	7	529
Pakan	276	5	55	2	138
Pakowki	1,359	8	170	8	170
Pembina	30,267	55	550	43	704
Redcliff	27,382	42	652	32	856
Rochester	729	4	182	2	365
Sexsmith	80	2	40	1	80
Sheerness (Stripping)	31,300	28	1,118		
Sheerness (Underground)	4,639	11	422	9	515
Taber	12,274	34	361	27	455
Tofield (Stripping)	41,519	46	903		
Tofield (Underground)	2,694	5	539	3	898
Wetaskiwin	2,349	7	335	6	392
Whiteccurt	217	2	109	1	217
No Area	5,237	16	327	10	524
Total	2,453,263	3,617	673	2,846	801*

SUB-BITUMINOUS COAL FIELD

Coalspur (Stripping)	227,317	148	1,536		
Coalspur (Underground)	124,110	226	549	146	850
Morley	61	3	20	2	31
Pekisko	5,080	12	423	10	508
Pincher	1,413	5	283	2	707
Prairie Creek	91,189	135	683	92	991
Saunders	39,742	104	375	75	530
Total	488,912	633	772	327	800*

*This figure arrived at by deducting the tonnage from stripping pits from gross tonnage mined and dividing the product by the number of men employed underground.

BITUMINOUS COAL FIELD

Cascade	170,039	269	632	184	924
Crowsnest	1,275,004	1,875	680	1,432	890
Mountain Park	688,449	740	930	469	1,468
Nordegg	154,358	247	625	169	913
Total	2,287,850	3,131	731	2,254	1,015

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	18.00	16.67	8.00	3.70	4.67	4.00	4.33	4.33	6.00	16.91	20.54	14.33	121.48
Big Valley	13.67	18.80	9.60	4.50	10.00	12.00	9.00	15.00	9.33	16.75	18.00	14.00	150.65
Brooks	25.00	24.00	15.50	15.00	11.67	23.00	19.00	21.00	26.00	20.67	20.67	26.00	247.51
Camrose	17.55	15.63	16.00	12.17	17.30	13.25	15.67	13.00	14.60	21.57	21.80	18.33	196.87
Carbon	15.28	16.53	11.44	8.80	8.57	10.20	7.82	12.60	14.00	21.25	20.29	16.25	163.03
Castor	15.15	13.31	7.77	8.43	10.27	7.22	6.25	9.53	9.91	18.71	22.05	17.21	145.81
Champion	15.80	11.00	10.70	8.70	8.20	7.89	6.78	13.33	19.00	24.75	21.38	18.00	165.53
Drumheller	13.44	12.30	8.22	7.61	8.65	7.44	6.69	12.36	12.11	19.50	19.71	13.88	141.91
Edmonton	18.94	18.58	14.51	15.34	13.50	12.44	11.52	11.08	13.47	22.31	21.46	18.33	191.48
Gleichen	23.25	14.67	13.00	14.80	11.50	11.17	8.00	16.43	13.80	19.89	23.43	18.86	188.80
Halcourt	24.86	21.00	18.00	16.00		6.00		9.25	18.50	15.33	19.40	19.17	167.51
Lethbridge	14.89	14.67	12.06	9.64	9.53	10.17	11.00	18.23	15.60	20.56	20.13	18.38	174.86
Magrath	15.50	18.50	13.50	14.00	7.50	14.00	11.00	20.00	7.00	17.00	24.50	22.00	184.50
Milk River	15.00	9.50	6.33	8.50	8.50	9.30	7.29	9.67	18.33	20.75	16.75	12.00	141.92
Pakan	13.00	19.00								11.00	18.00	14.00	75.00
Pakowki	6.00	6.25	5.00	4.00	5.00	4.00	7.00	17.00	13.33	24.25	20.75	9.50	122.08
Pembina	13.60	12.00	7.33	9.33	4.00	2.00	7.40	6.50	12.50	16.00	17.33	12.50	120.49
Redcliff	13.00	16.00	11.50	7.50	8.00	4.00	6.00	8.50	10.00	25.00	25.00	17.50	152.00
Rochester	14.00	15.00	1.00							5.00	20.00	24.00	79.00
Sheerness	14.63	16.00	9.13	9.44	7.13	7.37	7.75	11.13	13.00	18.20	22.60	15.83	152.21
Taber	13.70	14.90	10.20	7.54	8.85	8.67	9.13	12.25	17.11	21.25	18.45	13.71	155.76
Tofield	18.75	19.25	16.00	17.50	11.33	15.00	15.00	25.00	15.67	18.50	18.00	17.50	207.50
Wetaskiwin	20.00	17.50	3.00	2.00	3.00	9.50	7.00	5.50	10.00	19.67	15.67	13.00	125.84
Whitecourt		16.00									26.00	20.00	62.00
No Area	17.40	13.67	6.00						8.00	18.33	18.50	15.00	96.90
Sexsmith											25.00	25.00	50.00
Average Total	16.27	15.19	10.16	9.74	8.86	9.46	9.18	12.94	13.51	18.88	20.59	17.09	161.87

Number of days on which Coal was drawn in the SUB-BITUMINOUS FIELD by areas during each month:

Coalspur	18.80	18.20	18.00	12.00	8.30	3.33	6.25	7.25	9.60	11.30	15.33	17.33	145.69
Morley											8.00	20.00	28.00
Pekisko	14.50	9.80	6.33	8.33	9.00	8.33	14.67	10.20	11.00	13.40	16.60	16.20	138.36
Pincher	16.50	17 50	14.50	9.00	5.50	4.00	7.00	8.50	16.00	18.00	18.00	21.50	156.00
Prairie Creek	24.50	18.00	18.00	8.00	10.00	14.00	13.00	14.00	18.50	23.00	23.50	20.00	204.50
Saunders	13.00	12.00	12.50	3.00	4.00	2.00	2.00	6.00	10.50	19.33	19.00	16.33	119.66
Average Total	17.46	15.10	13.87	8.07	7.36	6.33	8.58	9.19	13.12	17.01	16.74	18.56	151.39

Number of days on which Coal was drawn in the BITUMINOUS FIELD by areas during each month:

Cascade	20.00	19.50	19.50	18.50	10.00	16.66	6.00	17.00	20.00	19.00	17.00	21.50	204.66
Crowsnest	13.00	13.00	13.29	12.56	13.78	14.67	13.64	18.67	13.60	15.00	15.00	16.39	172.60
Mountain Park	17.50	19.75	22.25	16.25	16.00	12.63	18.25	15.25	15.75	23.75	19.88	23.00	220.26
Nordegg	13.00	19.00	27.00	6.00	7.00	4.00	4.00	7.00	7.00	9.00	15.00	12.00	130.00
Average Total	15.88	17.81	20.51	13.33	11.70	11.99	10.47	14.48	14.09	16.69	16.72	18.22	181.89

Number of days on which Coal was drawn each month:

Domestic	16.27	15.19	10.16	9.74	8.86	9.46	9.18	12.94	13.51	18.88	20.59	17.09	161.87
Sub-Bituminous	17.46	15.10	13.87	8.07	7.36	6.33	8.58	9.19	13.12	17.01	16.74	18.56	151.39
Bituminous	15.88	17.81	20.51	13.33	11.70	11.99	10.47	14.48	14.09	16.69	16.72	18.22	181.89
Average Total	16.54	16.03	14.85	10.38	9.31	9.26	9.41	12.20	13.57	17.53	18.02	17.96	165.06

Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1938:

DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	330	1,043	297	759	139	331	89	131	83	153	96	175	1,034	2,592
Big Valley	67	139	39	151	27	82	14	40	5	15	4	20	156	447
Brooks	165	132	147	83	119	51	116	38	92	34	59	44	698	382
Camrose	580	1,693	523	1,549	296	821	279	626	189	450	179	546	2,046	5,685
Carbon	731	2,564	810	2,598	591	1,519	227	916	224	662	247	769	2,830	9,028
Castor	513	1,283	297	1,064	108	313	85	167	52	144	37	101	1,092	3,072
Champion	151	587	118	667	87	305	81	321	81	195	55	200	573	2,275
Drumheller	7,783	29,681	7,124	28,447	4,203	11,885	3,287	6,217	3,037	6,354	2,793	4,839	28,227	87,423
Edmonton	3,104	14,426	3,098	14,896	2,642	9,633	1,796	6,258	1,474	5,308	1,471	4,463	13,585	54,984
Gleichen	114	404	86	285	54	122	651	117	41	73	75	290	1,021	1,291
Halcourt	229	486	72	294	29	103	24	70			64	6	418	959
Lethbridge	3,013	6,976	2,802	7,138	2,306	3,482	2,114	2,587	1,725	2,595	2,127	29,48	14,087	25,726
Magrath	31	49	27	60	27	42	28	28	15	15	14	14	142	208
Milk River	58	47	26	30	26	33	24	12	16	15	45	18	195	155
Pakan	13	39	8	24									21	63
Pakowki	8	34	6	26	1	24	6	14	2	5	4	10	27	113
Pembina	308	601	324	621	282	428	280	340	179	153	151	63	1,524	2,206
Redcliff	161	547	209	675	104	331	47	145	50	150	26	72	597	1,920
Rochester	14	42	15	45	16	5			18		14		77	92
Sheerness	318	137	483	143	399	34	287	109	279	27	392	20	2,158	470
Taber	126	354	125	298	45	135	82	173	43	95	131	95	552	1,150
Tofield	782	70	745	64	818	4	806		1,370	4	1,602	3	6,123	145
Wetaskiwin	40	140	25	135	1	8		13	2	28	16	41	84	365
Whitecourt	10	10	4	12									14	22
No Area	207	367	136	255	46	76	45	5			20		454	703
Total	18,856	61,851	17,546	60,319	12,366	29,767	10,368	18,327	8,977	16,475	9,622	14,737	77,735	201,476

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1938:

DOMESTIC FIELD

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1938	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	71	169	150	242	164	322	326	1,047	390	1,213	325	671	1,426	3,664	2,460	6,256
Big Valley	5	26	5	25	22	68	35	151	47	238	56	139	170	647	326	1,094
Brooks	46	39	117	58	171	119	353	245	477	293	192	171	1,356	925	2,054	1,307
Camrose	236	632	267	945	421	804	450	1,553	758	2,603	678	1,845	2,810	8,382	4,856	14,067
Carbon	280	703	382	1,168	534	1,599	900	3,252	1,017	3,891	704	2,460	3,817	13,073	6,647	22,101
Castor	117	147	111	289	280	362	428	2,220	538	3,102	522	1,918	1,996	8,038	3,088	11,110
Champion	73	217	109	299	148	444	219	1,263	178	1,175	155	814	882	4,212	1,455	6,487
Drumheller	2,464	4,182	4,881	14,262	5,666	17,837	9,113	37,432	9,392	41,939	7,555	29,934	39,071	145,586	67,298	233,009
Edmonton	1,462	3,891	1,544	4,248	1,930	5,845	3,057	13,936	3,646	17,423	3,338	14,885	14,977	60,228	28,562	115,212
Gleichen	73	304	122	569	97	314	678	2,389	333	2,429	327	1,696	1,630	7,701	2,651	8,992
Halcourt	6	44	30	133	65	212	71	316	185	767	97	422	454	1,894	872	2,853
Lethbridge	2,301	3,200	3,093	7,079	3,231	7,292	3,875	11,131	3,882	10,793	3,238	8,076	19,620	47,571	33,707	73,297
Magrath	11	11	20	20	7	6	13	32	24	74	22	48	97	191	239	399
Milk River	26	21	37	53	45	131	603	175	452	118	58	55	1,221	553	1,416	708
Pakan							26		26		72	64	124	64	145	127
Pakowki	2	12	27	54	27	53	53	202	26	196	34	66	169	583	196	696
Pembina	224	396	246	299	255	382	290	567	309	732	287	572	1,611	2,948	3,135	5,154
Redcliff	18	54	79	225	80	256	292	1,048	334	1,078	206	686	1,009	3,347	1,606	5,267
Rochester	5	12	25		25		29	11	40	120	48	125	172	268	249	360
Sexsmith									25	25	25	25	50	50	50	50
Sheerness	539	57	338	49	318	149	578	228	1,675	222	1,424	228	4,872	943	7,030	1,413
Taber	132	121	57	147	203	292	306	739	206	579	202	413	1,106	2,291	1,658	3,441
Tofield	1,529	4	1,630		1,028	10	893	181	995	140	920	65	6,995	400	13,118	545
Wetaskiwin	16	51	16	43	15	81	25	148	25	155	52	180	149	658	233	1,023
Whitecourt									10	42	10	10	20	52	34	74
No Area	7	3	27	52	140	137	153	290	184	531	105	303	616	1,316	1,070	2,019
Total	9,643	14,296	13,313	30,259	14,872	36,715	22,766	78,556	25,174	89,878	20,652	65,881	106,420	315,585	184,155	517,061

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	6,025	4,046	6,068	3,530	7,723	1,991	4,652	715	4,573	543	5,109	386	34,150	11,211
Morley	10	..	..	..	..	..	..	..	..	..	..	..	10	..
Pekisko	94	230	30	105	30	84	36	63	18	53	39	53	247	588
Pincher	38	58	39	59	29	29	18	18	11	11	4	4	139	179
Prairie Creek	1,129	2,564	916	1,893	944	1,978	634	1,204	772	1,427	784	1,908	5,179	10,974
Saunders	569	1,433	475	1,166	404	1,018	157	125	279	398	183	134	2,067	4,274
Total	7,865	8,331	7,528	6,753	9,130	5,100	5,497	2,125	5,653	2,432	6,119	2,485	41,792	27,226

BITUMINOUS FIELD

Cascade	1,823	3,389	1,681	3,172	1,761	3,124	1,737	2,868	1,724	2,504	1,767	2,602	10,493	17,659
Crowsnest	7,960	19,837	8,542	21,645	8,468	20,934	8,171	19,478	8,453	21,109	8,254	21,836	49,848	124,839
Mountain Park	5,578	9,312	5,259	10,933	6,343	12,875	5,226	10,467	5,031	11,011	5,061	8,471	32,498	63,069
Nordegg	1,920	2,391	1,848	3,370	2,359	4,621	1,349	1,346	1,218	1,367	1,045	679	9,739	13,774
Total	17,281	34,929	17,330	39,120	18,931	41,554	16,483	34,159	16,426	35,991	16,127	33,588	102,578	219,341

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS

Domestic	18,856	61,851	17,546	60,319	12,366	29,767	10,368	18,327	8,977	16,475	9,602	14,737	77,735	201,476
Sub-Bituminous	7,865	8,331	7,528	6,753	9,130	5,100	5,497	2,125	5,653	2,432	6,119	2,485	41,792	27,226
Bituminous	17,281	34,929	17,330	39,120	18,931	41,554	16,483	34,159	16,426	35,991	16,127	33,588	102,578	219,341
Total	44,002	105,111	42,404	106,192	40,427	76,421	32,348	54,611	31,056	54,898	31,848	50,810	222,105	448,043

SUB-BITUMINOUS FIELD

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1938	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	5,102	1,312	3,042	1,756	4,527	2,375	5,848	2,950	5,864	3,714	5,953	3,676	30,336	15,783	64,486	26,994
Morley	....	....	....	....	....	....	....	....	3	17	20	40	23	57	33	57
Pekisko	38	81	54	103	44	65	69	161	77	222	86	162	368	794	615	1,382
Pincher	14	14	17	17	42	39	43	83	40	100	48	96	204	349	343	528
Prairie Creek	727	1,716	839	1,974	931	2,092	1,133	2,480	1,226	2,508	1,205	2,119	6,061	12,889	11,240	23,863
Saunders	125	185	283	660	533	1,388	780	2,177	738	2,124	636	1,959	3,095	8,493	5,162	12,767
Total	6,006	3,308	4,235	4,510	6,077	5,959	7,873	7,851	7,948	8,685	7,948	8,052	40,087	38,365	81,879	65,591

BITUMINOUS FIELD

Cascade	1,761	2,411	1,963	2,991	1,979	3,225	1,891	2,821	1,566	1,936	1,934	3,597	11,094	16,981	21,587	34,640
Crowsnest	8,179	19,588	12,640	22,289	8,190	20,094	8,491	20,228	8,863	22,005	8,850	23,098	55,213	127,302	105,061	252,141
Mountain Park	5,330	9,516	5,813	10,265	5,820	9,412	5,950	11,568	5,461	11,397	6,840	11,881	35,214	64,039	67,712	127,108
Nordegg	910	949	1,395	1,370	1,298	1,471	1,422	1,749	1,449	2,576	1,687	2,131	8,161	10,246	17,900	24,020
Total	16,180	32,464	21,811	36,915	17,287	34,202	17,754	36,366	17,339	37,914	19,311	40,707	109,682	218,568	212,260	437,909

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS

Domestic	9,636	14,293	13,313	30,260	14,872	36,715	22,766	78,556	25,174	89,878	20,652	65,881	106,420	315,585	184,155	517,061
Sub-Bituminous	6,006	3,308	4,235	4,510	6,077	5,959	7,873	7,851	7,948	8,685	7,948	8,052	40,087	38,365	81,879	65,591
Bituminous	16,180	32,464	21,811	36,915	17,287	34,202	17,754	36,366	17,339	37,914	19,311	40,707	109,682	218,568	212,260	437,909
Total	31,822	50,065	39,359	71,685	38,236	76,876	48,393	122,773	50,461	136,477	47,911	114,640	256,189	572,518	478,294	1,020,561

AMOUNT OF MINE TIMBER USED DURING THE YEAR

DOMESTIC COAL FIELD

Area	Round Timber, linear feet	Lumber, B.M. feet	Ties, linear feet	Lagging, linear feet	Slabs, cords
Ardley	52,525				
Big Valley	15,735				
Brooks	23,884				
Camrose	256,020				
Carbon	497,329				
Castor	121,440	1,200			
Champion	87,656	920			
Drumheller	4,246,244		47,304		29
Edmonton	2,691,339		16,170		144½
Gleichen	59,900				
Halcourt	20,096				
Lethbridge	1,686,949	74,884	33,412		1
Magrath	2,218				
Milk River	6,000				
Pakan	500				
Pakowki	5,060				
Pembina	75,440				
Redcliff	89,817		16,800		
Rochester	3,850				
Sexsmith	200				
Sheerness	14,032				
Taber	56,245				½
Tofield	4,052				
Wetaskiwin	7,525				
Whitecourt	1,000				
No Area	36,350				38
Total	9,961,406	77,004	113,686		213

SUB-BITUMINOUS COAL FIELD

Coalspur	153,386				
Morley	1,100				
Pekisko	12,560				2½
Pincher	5,400				
Prairie Creek	252,051		1,831		2½
Saunders	178,514		34,640	57,604	
Total	603,011		36,471	57,604	5

BITUMINOUS COAL FIELD

Cascade	287,298			8,895	
Crowsnest	2,652,068	915,912	9,300	642,413	
Mountain Park	1,082,029				
Nordegg	547,002				
Total	4,568,397	915,912	9,300	651,308	

PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
Portable Electric Lamps, Edison Cap Type	744	1,207	1,592	1,800	2,627	2,530	2,481	2,521	2,634	2,556	2,792	2,310	2,300	2,148
Portable Electric Lamps, Ceag Hand Type	43													
Portable Electric Lamps, Wico Cap Type	560	275												
Portable Electric Lamps, Oldham Cap Type	40													
Portable Electric Lamps, Wolfe Cap Type							66	66		66			58	104
Safety Lamps, Wolfe Flame Type	147	108	108	106	157	171	160	174	242	191	244	308	244	95
Safety Lamps, Koehler Flame Type	8	4	3						3		3		4	26
Total	1,542	1,594	1,703	1,906	2,784	2,701	2,807	2,761	2,879	2,813	3,039	2,618	2,606	2,373

PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
Portable Electric Lamps, Edison Cap Type	41	120	120	140	161	184	387	350	357	453	275	297	372	389
Safety Lamps, Wolfe Flame Type	110	42	39	45	37	25	51	59	39	46	39	38	45	39
Total	151	162	159	185	198	209	438	409	396	499	314	335	417	428

PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
Portable Electric Lamps, Edison Cap Type	2,952	3,024	3,378	3,510	3,310	3,458	4,458	3,005	2,922	2,638	2,743	2,607	2,788	2,745
Portable Electric Lamps, Wheat Electric Cap Type				11	12									
Portable Electric Lamps, Wolfe Electric Cap Type				20	20	20	7			20		25	25	25
Safety Lamps, Wolfe Flame Type	703	554	633	468	363	345	353	337	318	329	324	327	321	319
Safety Lamps, Koehler Flame Type			8											
Total	3,655	3,578	4,019	4,019	3,705	3,823	4,818	3,342	3,240	2,987	3,067	2,959	3,134	3,089

QUANTITY OF EXPLOSIVES USED IN POUNDS FOR BLASTING COAL:

DOMESTIC COAL FIELD

Areas	Names of Explosives									Total
	CXL-ITE	Pellets	Polar Monobel No. 4	Cardox	Stopeite	Polar Monobel No. 14	Stumping Powder	40% Dynamite	Loose Black	
Ardley		12,530	10			5				12,545
Big Valley		615								615
Brooks		5,150	150			150				5,450
Camrose						420	22		50	492
Carbon		12,633	180							12,813
Castor		7,680	100							7,780
Champion		8,470								8,470
Drumheller	54	136,651	7,817	9,250	50	12,345				166,167
Edmonton		11,767	5,188			11,832	150			28,937
Gleichen		6,790								6,790
Halcourt		320					100	10		430
Lethbridge		13,447	5,866	8,688		13,768				41,769
Magrath		50	400							450
Milk River		2,700	840							3,540
Pakowki		380	125							505
Pakan			50							50
Pembina		4	535			30				569
Redcliff		3,000				1,100				4,100
Rochester			20					20		40
Sexsmith								20		20
Sheerness		925				60			3,490	4,475
Taber		4,265	35							4,300
Tofield		47½					300	125	4,400	4,872½
Wetaskiwin		225	51							276
Whitecourt		175								175
No Area			121				18			139
Total	54	227,824½	21,488	17,938	50	39,705	590	175	7,940	315,769½

SUB-BITUMINOUS COAL FIELD

Areas	Names of Explosives						Total
	Miner's Friend	Dynamite 40%	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	35% Polar Forcite	
Coalspur		725		31,929		50,250	82,904
Morley				5			5
Pekisko				195	2,040		2,235
Pincher				625			625
Prairie Creek			2,401	33,194	2,873		38,468
Saunders	25		6,437		5,135		11,597
Total	25	725	8,838	65,948	10,048	50,250	135,834

BITUMINOUS COAL FIELD

Areas	Names of Explosives					Total
	Monobel Sheathed	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 14	
Cascade			37,800		120	37,920
Crowsnest		150	27,560			27,710
Mountain Park	25		5,200	51,195	280	56,700
Nordegg			8,400			8,400
Total	25	150	78,960	51,195	400	130,730

Number of tons of coal produced per pound of Explosives used for blasting coal:

DOMESTIC COAL FIELD

Areas	Number of tons mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley	21,420	12,545	1.70
Big Valley	2,069	615	3.36
Brooks	9,665	5,450	1.77
Camrose	52,662	492	107.04
Carbon	92,846	12,813	7.24
Castor	39,737	7,780	5.10
Champion	16,142	8,470	1.90
Drumheller	1,168,348	166,167	7.03
Edmonton	515,103	28,937	17.80
Gleichen	25,239	6,790	3.71
Halcourt	3,355	430	7.80
Lethbridge	342,113	41,769	8.19
Magrath	541	450	1.20
Milk River	3,701	3,540	1.04
Pakan	276	50	5.50
Pakowki	1,359	505	2.69
Pembina	30,267	569	53.20
Redcliff	27,382	4,100	6.67
Rochester	729	40	18.22
Sexsmith	80	20	4.00
Sheerness	35,939	4,475	8.03
Taber	12,274	4,300	2.85
Tofield	41,519	4,872½	8.52
Wetaskiwin	2,349	276	8.51
Whitecourt	217	175	1.24
No Area	5,237	139	37.68
Total	2,453,263	315,769½	7.76

SUB-BITUMINOUS COAL FIELD

Coalspur	351,427	82,904	4.23
Morley	61	5	12.20
Pekisko	5,080	2,235	2.27
Pincher	1,413	625	2.26
Prairie Creek	91,189	38,468	2.37
Saunders	39,742	11,597	3.42
Total	488,912	135,834	3.59

BITUMINOUS COAL FIELD

Cascade	170,039	37,920	4.48
Crowsnest	1,275,004	27,710	46.01
Mountain Park	688,449	56,700	12.14
Nordegg	154,358	8,400	18.37
Total	2,287,850	130,730	17.50

Estimated number of shots fired for blasting coal:

DOMESTIC COAL FIELD

Areas	Electric Detonators	Electric Squibs	Fuse	Squibs	Total
Ardley			8,940		8,940
Big Valley			585	75	660
Brooks			2,600	400	3,000
Camrose	600		1,105		1,705
Carbon			7,082	1,305	8,387
Castor			7,877	597	8,474
Champion			9,026	3,230	12,256
Drumheller	19,482	62,842	103,183	800	186,307
Edmonton	17,896	2,068	46,215	150	66,329
Gleichen			9,793		9,793
Halcourt			470		470
Lethbridge	36,259		480	9,999	46,738
Magrath			640	100	740
Milk River			4,110	575	4,685
Pakan			100		100
Pakowki			190	300	490
Pembina	228		398		626
Redcliff	1,350			16,000	17,350
Rochester			48		48
Sexsmith			61		61
Sheerness			3,055		3,055
Taber			553	5,671	6,224
Tofield			2,880		2,880
Wetaskiwin			504		504
Whitecourt			250		250
No Area			513		513
Total	75,815	64,910	210,658	39,202	390,585

SUB-BITUMINOUS COAL FIELD

Coalspur	36,406		750		37,156
Morley	11				11
Pekisko	1,893		570		2,463
Pincher	1,226				1,226
Prairie Creek	40,673	3,128			43,801
Saunders			11,085		11,085
Total	80,209	3,128	12,405		95,742

BITUMINOUS COAL FIELD

Cascade	56,638				53,638
Crowsnest	28,233		180		28,413
Mountain Park	46,569				46,569
Nordegg	12,800				12,800
Total	141,240		180		141,420

Number of miss-fire shots recorded in blasing coal in the Province

DOMESTIC COAL FIELD

Areas	Electric Deton-ators	Electric Squibs	Fuse	Squibs	Total
Ardley			43		43
Big Valley				1	1
Brooks				5	5
Camrose			10		10
Carbon			24	3	27
Castor			17	7	24
Champion			6	3	9
Drumheller	4	7	45		56
Edmonton		11	75		86
Gleichen			2		2
Halcourt			10		10
Lethbridge	3		2	5	10
Milk River			5		5
Redcliff				6	6
Sheerness			3		3
Sexsmith			3		3
Taber				3	3
Tofield			14		14
No Area			13		13
Total	7	18	272	33	330

SUB-BITUMINOUS COAL FIELD

Coalspur	7				7
Pekisko			10		10
Saunders			3		3
Total	7		13		20

BITUMINOUS COAL FIELD

Cascade	4				4
Crowsnest	9		3		12
Mountain Park	25				25
Total	38		3		41

Quantity of Explosives used in pounds for blasting rock in Coal-mines in the Province:

Areas	Names of Explosives										Total
	Stopeite	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 14	Stumping Powder	40% Dynamite	60% Dynamite	Polar Forcite 60%	CXL-ITE	
Ardley			53								53
Camrose					50	42					92
Carbon	100						559½				659½
Champion			400	100	50		100			50	700
Castor	25		25			4	43				97
Coalspur			47				15.950	1,450		150½	17,597½
Cascade				5						6.300	6.305
Crowsnest			1,130	205			23,370		2,350	13,133	40,188
Drumheller	1,500	200	3,109		400		1.015		10,913	2,100	19,237
Edmonton			150		8			75		3,900	4,133
Gleichen			200								200
Halcourt		10	30			400	50				490
Lethbridge		20	512		1,742					600	2,874
Mountain Park				4,208				87.886		10,343	102,437
Nordegg										450	450
Pekisko					65						65
Pembina			40								40
Pincher			25								25
Prairie Creek							250			3,115	3,365
Pakowki		50									50
Redcliff					150						150
Rochester						10					10
Saunders		50			400						450
Taber			110				100				210
Tofield							125				125
Wetaskiwin			1				5				6
Total	1,625	330	5.832	4.518	2,865	456	41,567½	89,411	13,263	40,141½	200.009

Estimated number of shots fired for blasting rock in Coal-mines in the Province:

Areas	Delay Fuse	Electric Detonators	Fuse	Squibs	Total
Ardley			110		110
Camrose		95	87		182
Carbon			869		869
Champion			1,450		1,450
Coalspur		3,679	1,877		5,556
Cascade		16,000			16,000
Crowsnest		20,079			20,079
Drumheller		8,630	22,789		31,419
Edmonton		2,460	355		2,815
Gleichen		370	250		620
Halcourt			587		587
Lethbridge		5,526			5,526
Mountain Park	4,365	22,768			27,133
Nordegg		900			900
Pakowki				100	100
Pembina			25		25
Prairie Creek		3,655			3,655
Pekisko		40	120		160
Pincher		54			54
Redcliff			86		86
Rochester			35		35
Saunders			685		685
Taber			195		195
Wetaskiwin			14		14
Castor			113		113
Total	4,365	84,256	29,647	100	118,368

Number of miss-fire shots recorded in blasting rock in Coal-mines in the Province:

Carbon			4		4
Castor			11		11
Drumheller			11		11
Edmonton			16		16
Lethbridge		1	5		6
Total		1	47		48

ELECTRICITY

The rules for the installation and use of electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 78 different mines in 1938. A summary of these returns regarding the horse-power of electrical apparatus in use is given below.

Areas	No. of mines using Electricity	Horse-power of electrical apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley	1	2½	63	65½
Big Valley	1	30	33	63
Camrose	1	10	5	15
Carbon	4	150½	250	400½
Cascade	1	705	175	880
Coalspur	5	1,292	410	1,702
Crowsnest	6	13,855	2,570	16,425
Drumheller	25	3,550	5,487	9,037
Edmonton	8	762	979½	1,741½
Gleichen	1	2	5	7
Lethbridge	8	1,772	1,075	2,847
Mountain Park	3	2,506	1,475	3,981
Nordegg	1	702	80	182
Pembina	2	40	62½	102½
Pincher	1	5½		5½
Prairie Creek	2	63	247	310
Redcliff	2	130	90	220
Saunders	2	116½	173	289½
Sheerness	1	12½		12½
Taber	2	40	65	105
Total	78	25,746½	13,245	38,991½

COAL-CUTTING MACHINERY

Areas	No. of machines operated by		Tons of coal mined by	
	Electricity	Compressed air	Electricity	Compressed air
Ardley	2	2	14,628	655
Big Valley	1		602	
Carbon	6		53,685	
Cascade		1		500
Champion		2		2,150
Coalspur		11		73,657
Crowsnest		186*		331,059
Drumheller	100		1,131,736	
Edmonton	19	1	308,371	1,200
Halcourt		1		591
Gleichen		1		4,200
Lethbridge	22	1	307,740	150
Milk River		1		481
Pakowki		1		552
Pembina	1		940	
Prairie Creek	4	1	72,187	1,500
Redcliff	3		26,950	
Saunders	2	8	9,500	29,969
Taber	2	2	2,670	3,410
Total	162	219	1,929,009	453,074

*Compressed air operated 186 picks.

ACCIDENTS

Summary table showing Accidents occurring in Mines from 1906 to 1938 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	60,250
1907	1,834,745	19	18	68	96,565	101,930	26,981
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61a	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,656
1912	3,446,349	21	38	58	164,111	90,693	59,419
1913	4,306,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209b	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,638,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,721	92,769	237,488
1922	5,976,432	35	38	35	170,755	157,274	170,755
1923	6,866,923	22	41	10	312,133	156,066	686,692
1924	5,203,713	21	42	40	247,796	123,898	130,093
1925	5,883,394	30	59	56	196,113	99,718	105,060
1926	6,508,908	39c	67	119	166,398	97,148	54,696
1927	6,936,780	26	76	115	266,799	91,273	60,320
1928	7,334,179	28	71	122	261,935	103,298	60,166
1929	7,147,250	31	69	98	230,556	103,583	72,931
1930	5,755,911	11	69	97	523,265	83,419	59,339
1931	4,563,309	16	75	73	285,207	60,844	62,511
1932	4,867,984	11	61	96	442,544	79,803	50,708
1933	4,714,784	6	69	109	785,797	78,580	43,255
1934	4,748,848	15	68	70	316,589	69,836	67,840
1935	5,462,973	35d	66	113	156,085	82,772	48,352
1936	5,696,375	11	79	101	517,852	72,106	56,400
1937	5,551,682	20	72	73	277,584	77,107	76,050
1938	5,230,025	21e	72	135	249,049	72,639	38,741
Total	158,948,358	908	1,791	2,175	175,053	88,748	73,079

a. Including thirty-one deaths caused by the Bellevue Explosion

b. Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

c. Including ten deaths caused by the McGillivray Creek Coal & Coke Co., Ltd. Explosion.

d. Including sixteen deaths caused by the explosion at the Lethbridge Collieries Ltd., at Coalhurst.

e. Including five deaths caused by the explosion at Hinton Collieries Limited.

ACCIDENTS DURING 1938, CLASSIFIED ACCORDING TO THE COAL FIELD IN WHICH THEY OCCURRED

Domestic	2,453,263	5	42	62	490,652	58,411	39,569
Sub-Bituminous	488,912	5	8	7	97,782	61,114	69,844
Bituminous	2,287,850	11	22	66	207,986	103,993	34,664

Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1915-1938:

Year	Tonnage	Total No. of men employed	Fatal Accidents			Serious Accidents			Slight Accidents			Total		
			No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed
1915	3,434,891	6,445	18	5.24	2.79	33	9.63	5.12	33	9.63	5.12	84	24.45	13.03
1916	4,538,604	7,570	20	4.31	2.64	51	10.99	6.74	34	7.33	4.49	105	22.61	13.87
1917	4,863,414	8,310	24	4.93	2.88	62	12.75	7.46	39	8.02	4.69	125	25.91	15.04
1918	6,148,620	8,774	22	3.57	2.51	60	9.95	6.84	77	12.52	8.78	159	25.85	18.12
1919	5,022,412	7,573	21	4.18	2.78	56	11.15	7.39	54	10.75	7.13	131	26.28	17.30
1920	6,908,923	8,688	29	4.20	2.99	53	7.81	6.10	38	5.50	4.37	120	17.37	13.81
1921	5,937,195	10,010	21	3.54	2.10	64	10.78	6.39	25	4.23	2.50	110	18.53	10.99
1922	5,976,432	8,547	35	5.86	4.09	38	6.36	4.45	35	5.86	4.09	108	18.07	12.64
1923	6,866,923	9,927	22	3.19	2.21	44	6.39	4.43	10	1.45	1.00	76	11.07	7.65
1924	5,203,713	7,317	21	4.03	2.86	42	8.07	5.74	40	7.68	5.47	103	19.79	14.35
1925	5,883,394	8,774	30	5.10	3.40	59	10.03	3.42	56	9.52	6.38	145	24.65	16.53
1926	6,508,908	8,763	39c	5.99	4.99	67	10.29	7.65	119	10.33	13.58	225	34.57	25.68
1927	6,936,780	9,016	26	3.75	2.88	76	10.96	8.43	115	16.50	12.71	217	31.28	24.06
1928	7,334,179	9,496	28	3.82	2.96	71	9.68	7.48	122	16.63	12.85	221	30.12	23.27
1929	7,147,250	9,572	31	4.34	3.24	69	9.65	7.21	98	13.71	10.24	198	27.70	20.30
1930	5,755,911	8,889	11	1.91	1.24	69	11.99	7.76	97	17.20	10.90	177	30.75	19.91
1931	4,563,309	8,070	16	3.51	1.98	75	16.44	9.27	73	16.00	9.04	164	35.92	20.32
1932	4,867,984	7,837	11	2.26	1.40	61	12.53	7.78	96	19.72	12.25	168	34.51	21.43
1933	*4,714,784	8,042	6	1.27	.75	60	12.73	7.46	109	20.99	13.55	175	37.12	21.76
1934	*4,748,848	7,863	15	3.14	1.91	68	14.31	8.65	70	14.74	8.90	153	32.21	19.45
1935	*5,462,973	7,824	35d	6.40	4.47	66	12.08	8.44	113	20.68	14.44	214	39.17	27.35
1936	*5,696,375	8,110	11	1.93	1.36	79	13.87	9.74	101	17.73	12.45	191	33.53	23.55
1937	*5,551,682	7,836	20	3.60	2.55	72	12.97	9.19	73	13.15	9.32	165	29.72	21.06
1938	*5,230,025	7,411	21e	4.01	2.83	72	13.76	9.71	135	25.81	18.21	228	43.59	30.76

c. Including 10 deaths by explosion at McGillivray Creek Coal & Coke Co. Ltd.
d. Including 16 deaths by explosion at Lethbridge Collieries Ltd., Coalhurst.
e. Including 5 deaths by explosion at Hinton Collieries Ltd.
*Output does not include coal produced by farmers under permit.

Number of tons produced per accident:

DOMESTIC COAL FIELD

Areas	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley	21,420	48			21,420	21,420
Big Valley	2,069	8				
Brooks	9,665	14				
Camrose	52,662	86				
Carbon	92,846	154	92,846	92,846		46,423
Castor	39,737	81			13,245	13,245
Champion	16,142	50				
Drumheller	1,168,348	1,619	584,174	46,733	36,510	19,802
Edmonton	515,103	680	515,103	46,827	34,340	19,077
Gleichen	25,239	59				
Halcourt	3,355	19			3,355	3,355
Lethbridge	342,113	547	342,113	68,422	38,012	22,807
Magrath	541	4				
Milk River	3,701	13				
Pakan	276	5				
Pakowki	1,359	8				
Pembina	30,267	55				
Redcliff	27,382	42			27,382	27,382
Rochester	729	4				
Sexsmith	80	2				
Sheerness	35,939	45				
Taber	12,274	34				
Tofield	41,519	51				
Wetaskiwin	2,349	7				
Whitecourt	217	2				
No Area	5,237	16				
Total	2,453,263	3,617	490,652	58,411	39,568	22,507

SUB-BITUMINOUS COAL FIELD

Coalspur	351,427	374		351,427	351,427	175,713
Morley	61	3				
Pekisko	5,080	12				
Pincher	1,413	5				
Prairie Creek	91,189	135	18,237	15,198	22,797	6,079
Saunders	39,742	104		39,742	19,871	13,247
Total	488,912	633	97,782	61,114	69,844	24,445

BITUMINOUS COAL FIELD

Cascade	170,039	269	170,039	85,019	56,679	28,339
Crowsnest	1,275,004	1,875	212,500	115,909	28,333	20,564
Mountain Park	688,449	740	172,112	114,741	45,896	27,538
Nordegg	154,358	247		51,452	51,452	25,726
Total	2,287,850	3,131	207,986	103,993	34,664	23,109

SUMMARY

Domestic	2,453,263	3,647	490,652	58,411	39,568	22,507
Sub-Bituminous	488,912	633	97,782	61,114	69,844	24,445
Bituminous	2,287,850	3,131	207,986	103,993	34,664	23,109
Total	5,230,025	7,411	249,048	72,639	38,740	22,938

Classification of Accidents according to output of mines which produced during the year 1938:

	Under 1,000 tons	From 1,000 to 5,000 tons	From 5,000 to 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 150,000 tons	From 150,000 to 200,000 tons	From 200,000 to 300,000 tons	Over 300,000 tons	Total
Fatal	....	.....		4	5	2	6	4	.	21
Serious	...	1	.	12	30	6	13	7	3	72
Slight	2	3	1	16	42	3	33	19	16	135
Total	2	4	1	32	77	11	52	30	19	228

Tons of coal produced per accident:

Fatal	...	...		255,961	216,720	294,356	143,187	253,922	.	249,048
Serious	.	153,855		85,320	36,120	98,118	66,086	145,098	114,969	72,639
Slight	26,833	51,285	106,622	63,990	25,800	196,237	26,034	53,457	21,556	38,740
Total	26,833	38,463	106,622	31,995	14,072	53,519	16,521	33,856	18,153	22,938

FATAL ACCIDENTS

Vinc Ruzik, miner, age 53, on January 4th, in the mine operated by the West Canadian Collieries Ltd., Bellevue, caused when a large piece of coal fell from the rib, while he was loading pillar coal, knocking out a prop which apparently struck him on the head. Fractured skull, causing instant death.

William Kennedy, fire boss, age 59, on January 11th, in the mine operated by Mountain Park Coals Ltd., Mountain Park. He had apparently started a main and tail rope hoist, standing alongside with his left hand on the throttle lever, while endeavouring to guide the tail rope with his right hand. His hand was caught between the rope and drum and he was drawn over the drum. All fingers of the right hand amputated by the rope, also right arm dislocated at elbow and right leg fractured below knee, from the effects of which he died in hospital at Edmonton on January 16th.

Thomas Johnson, fire boss, age 38, on February 8th, in the mine operated by The Western Gem & Jewel Collieries Ltd., Cambrian Mine, Rosedale Station, caused by being struck by coal from an exploded shot. He was walking along the longwall face when a shot which had been ignited exploded, the coal striking him in the face. Face and head badly crushed, causing instant death.

John Wons, miner, age 38, injured in the mine operated by Hillcrest Collieries Ltd., Hillcrest, on February 16th, from the effects of which he died in Calgary on November 24th. He was working at face of 200 room 3 N. when a bump occurred, causing a piece of rock to fall from a jump, striking him. Internal injuries to chest, also mouth, jaw and right knee.

John Cochrane, compressed air locomotive driver, age 26, in the mine of The Canmore Mines Ltd., Canmore, on March 1st, caused by being crushed against a prop. He was operating a compressed air locomotive and had taken it to the charging station when the other locomotive bumped his, causing the charging arm to crush him against a prop which had been placed to prevent accidents should the charging coupling break. Kidney and liver crushed, causing internal bleeding, which resulted in his death 48 hours later.

Lawrence Ford, chute loader, age 25, on March 8th, in the mine operated by the McGillivray Creek Coal & Coke Co. Ltd., Coleman, caused by fall of coal and rock in pillar workings. He was going through the cross-cut from 25 to 24 room when a fall of coal and rock struck him on the head and shoulders, knocking him face down onto some rocks. Fractured skull and multiple head and chest injuries, causing instant death.

Harry Buttermur and Eldred Ambury, miners, ages 44 and 42, caused by blowout of Methane on anticline. They and two other miners and a fire boss were working at face of back angle off 2 angle 6 E. when a blowout of Methane occurred, which overcame them before they could get to safety. They were asphyxiated by Methane, the other men escaping. This accident occurred in the mine of the Luscar Coals Ltd., Luscar, on March 14th.

John Blazevich, miner, age 33, on March 24th, in the mine operated by Mountain Park Coals Ltd., Mountain Park, caused by fall of coal and rock in pillar workings. He and his partner were working at face of 14 pillar 1 E. level when some stone and coal fell from the roof displacing a post, which fell, striking him on the head. Fracture at base of skull.

William Ilecko, miner, age 31; Martin Sprela, miner, age 33; Anton Pastushak, miner, age 36; George Blcha, miner, age 41; Pete Phillippino, miner, age 37; in the mine operated by the Hinton Collieries Ltd., Hinton, on March 30th, causd by an ignition of gas CH4. They were working at the face of 11 and 12 rooms at which an electrically operated coal drill was being used. The sparking of the electrical commutator ignited gas, causing an explosion which depleted the oxygen present in the atmosphere, causing death from asphyxiation.

J. Prisner, miner, age 45, in the mine operated by the Marcus Coals Ltd., Clover Bar, on April 20th, caused by an explosion of powder, cause unknown. He was in the blacksmith shop sharpening an axe at the emery stone when an explosion occurred. It is presumed he was carrying explosives, not in a can, which in some manner exploded, causing instant death to Prisner.

August Shlegal, miner, age 58, in the mine operated by the West Canadian Collieries Ltd., Bellevue, on August 15th, caused by slide of rock in pillar workings. He was working at the face of 168 pillar, the place having been driven through to a cross pitch when a piece of loose rock slipped off the top

of a cave, jamming him against a prop. Brachial artery severed, also internal bleeding, from the effects of which he died 10 hours later.

Harry Moodie, miner, age 22, in the mine operated by J. H. Oliphant, Carbon, on August 26th, caused by a fall of rock while moving timber. He and his partner were moving timber sets in cross-cut when a large cave occurred, knocking him down and burying him. Fractured skull, upper and lower jaws, pelvis and ruptured bladder and cerebral laccrations of brain, from the effects of which he died while being conveyed to the hospital in Drumheller.

Robert Bowman, machineman, age 38, in the mine operated by the Lethbridge Collieries Ltd., No. 8 Mine, Lethbridge, caused by fall of rock at face of room, on September 23rd. He was operating an electric cutting machine at face of 30 room 2 B. off 4 F.S.W. entry, and had taken out some props in order to move the machine, when a fall of rock occurred which knocked him down, his head striking against the machine. Fractured skull, causing instant death.

John T. Crosby, miner, age 39, in the mine operated by the Hillcrest Collieries Ltd., Hillcrest, on September 26th, caused by falling off ladder in chute. He was standing on a ladder at the face of 35 angle off 1 level N. when he slipped and fell to the floor striking his ribs. Fractured 4th, 5th, 6th and 7th ribs left side with traumatic emphysema, causing internal hemorrhage, from the effects of which he died about 8 hours later.

George E. Smith, driver, age 48, in the mine operated by the Wayne Coal Producers Association Ltd., Wayne, on November 26th, caused by horse haulage. He was driving a horse hauling coal on 2 E. entry when at an intersection collided with another trip of cars, and he was jammed between a set of timber and the first car. Injured chest and back from the effects of which he died December 7th.

David S. Fraser, rope-rider, age 22, in the mine operated by the International Coal & Coke Co. Ltd., Coleman, on December 8th, caused by rope haulage. He had signalled a trip of loaded cars away from C. landing; the trip had been hoisted clear off the switch when the rope broke in the socket, allowing the trip to run back, and he was struck by the first car. Body crushed and internal injuries, from the effects of which he died while being taken to the hospital.

ACCIDENTS AS THEY OCCURRED BY MONTHS DURING THE YEAR 1938:

Months	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January			1	1	2	4	11	17	18
February			2	2	2	9	11	22	24
March		1	1	2	10	11	6	27	29
April	1	2	1	4		3	13	16	20
May		1	4	5		1	7	8	13
June			4	4		2	5	7	11
July		2		2		2	1	3	5
August		1	1	2	2	2	7	11	13
September					2	5	11	18	18
October		1	4	5		8	17	25	30
November		1	2	3	1	11	11	23	26
December			1	1	1	5	14	20	21
Total	1	9	21	31	20	63	114	197	228

ACCIDENTS OCCURRING IN THE PROVINCE ABOVE AND UNDER GROUND DURING THE YEAR 1938:

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage			1	1	4	10	20	34	35
Fall of rock					3	25	18	46	46
Fall of coal					2	13	26	41	41
Fall of coal and rock					2			2	2
Loading coal							6	6	6
Coal-cutting machinery: Electrical						3	6	9	9
Ignition of gas					5	6	1	12	12
Blow out of Methane					2			2	2
Premature explosion of detonators						1	2	3	3
Walked into shot					1	1		2	2
Premature explosion of explosives	1	2		3					3
Railroad cars			1	1					1
Miscellaneous		7	19	26	1	4	35	40	66
Total	1	9	21	31	20	63	114	197	228

Accidents occurring in the Province above and under ground for the year 1938, classified according to the areas in which they occurred:

DOMESTIC

Area	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Ardley							1	1	1
Carbon		1		1	1			1	2
Castor							3	3	3
Drumheller		3	5	8	2	22	27	51	59
Edmonton	1	3		4		8	15	23	27
Halcourt							1	1	1
Lethbridge			1	1	1	5	8	14	15
Redcliff							1	1	1
Total	1	7	6	14	4	35	56	95	109

SUB-BITUMINOUS

Coalspur						1	1	2	2
Prairie Creek			1	1	5	6	3	14	15
Saunders			1	1		1	1	2	3
Total			2	2	5	8	5	18	20

BITUMINOUS

Cascade					1	2	3	6	6
Crowsnest		1	7	8	6	10	38	54	62
Mountain Park			5	5	4	6	10	20	25
Nordegg		1	1	2		2	2	4	6
Total		2	13	15	11	20	53	84	99

Classification of Accidents according to the Coal Fields in which they occurred:

DOMESTIC

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Rope Haulage, while inspecting rollers tripped and fell							1	1	1
Horse Haulage, horse stepped on his leg						1		1	1
Horse Haulage, kicked by horse							1	1	1
Horse Haulage, jammed between cars						1		1	1
Horse Haulage, collided with another trip of cars					1			1	1
Horse Haulage, thrown from car							1	1	1
Horse Haulage, foot caught at switch point						1		1	1
Horse Haulage, horse started and foot caught							1	1	1
Horse Haulage, slipped and fell, leg caught under car						1		1	1
Horse Haulage, placing block to hold trip, finger caught							1	1	1
Fall of rock whilst timbering							3	3	3
Fall of rock at face of entry						4	3	7	7
Fall of rock at face of pillar						2		2	2
Fall of rock at face of room					1	7	4	12	12
Fall of rock in longwall face						1		1	1
Fall of rock in conveyor room						2		2	2
Fall of rock while brushing						1		1	1
Fall of rock whilst removing timber					1			1	1
Loading coal, finger caught against car							2	2	2
Loading coal, a lump fell on his foot							3	3	3
Loading coal, car tipped on his leg							1	1	1
Fall of coal at face of entry						2	2	4	4
Fall of coal in longwall face						1	2	3	3
Fall of coal at face of room						3	10	13	13
Ignition of gas from shot fired						1	1	2	2
Premature exploding of explosives	1	2		3		1	2	3	6
Shot firing, walked into shot					1	1		2	2
Electrical coal-cutting machine, foot caught in sprocket chain							1	1	1
Electrical coal-cutting machine, hit by falling coal						1	1	2	2
Electrical coal-cutting machine, hand caught by feed chain							1	1	1
Electrical coal-cutting machine, moving friction, finger caught							1	1	1
Electrical coal-cutting machine, moving machine, caught between roof and machine						1		1	1
Electrical coal-cutting machine, struck by falling jack						1		1	1
Electrical coal-cutting machine, glove caught by cable							1	1	1
Manual Haulage, hand jammed between car and timber						1		1	1
Manual Haulage, rock from gob hit toe							1	1	1
Manual Haulage, leg caught between cars						1		1	1
Manual Haulage, slipped and wrenched shoulder							2	2	2

DOMESTIC—Continued

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Manual Haulage, arm caught against timber							1	1	1
Locomotive Haulage, rerailing car, hand caught							1	1	1
Locomotive Haulage, hand caught between locomotive and timber							1	1	1
Miscellaneous, pushing car, piece of coal fell on foot			1	1					1
Miscellaneous, bar caught finger							1	1	1
Miscellaneous, slipped and fell		3	2	5			3	3	8
Miscellaneous, axe slipped							1	1	1
Miscellaneous, loading rail, rail fell							1	1	1
Miscellaneous, caught by derailed car		1		1					1
Miscellaneous, repairing pump, hand caught in gears		1		1					1
Miscellaneous, foot caught in tipple dump			1	1					1
Miscellaneous, infected knee through scratch							1	1	1
Miscellaneous, piece of coal fell on foot			1	1					1
Railroad cars, fell from cars			1	1					1
Total	1	7	6	14	4	35	56	95	109

SUB-BITUMINOUS

Rope Haulage, finger caught while repairing hoist							1	1	1
Ignition of gas, gas ignited by the sparking of electric drill					5	5		10	10
Fall of rock at face of room						1		1	1
Fall of rock at face of conveyor room						1		1	1
Electric coal-cutting machine, kicked back and caught hand against prop							1	1	1
Miscellaneous, caught by conveyor belt							1	1	1
Miscellaneous, slipped and fell in chute						1		1	1
Miscellaneous, plank slipped and he fell							1	1	1
Miscellaneous, saw caught block and jammed finger			1	1					1
Miscellaneous, axe slipped and caught hand							1	1	1
Miscellaneous, car ran over foot			1	1					1
Total			2	2	5	8	5	18	20

BITUMINOUS

Locomotive Haulage, bumped by another locomotive					1			1	1
Locomotive Haulage, jumping off locomotive, twisted left ankle							1	1	1
Locomotive Haulage, bumped into timber trucks and fractured left arm						1		1	1
Rope Haulage, hand caught in bull wheel							1	1	1
Rope Haulage, jumping off trip, fell and was caught with trip						1		1	1
Rope Haulage, rope broke in socket and cars ran back, hit by run-away cars					1			1	1
Rope Haulage, caught by rope and thrown over hoisting drum					1			1	1
Rope Haulage, thrown from trip when it derailed							1	1	1
Rope Haulage, finger caught when making repairs on hoist							1	1	1
Horse Haulage, foot caught with wheel			1	1					1
Horse Haulage, horse started, caught with car							1	1	1
Horse Haulage, horse stumbled on leg						1		1	1
Manual Haulage, caught between car and prop							2	2	2
Manual Haulage, slipped and fell, car ran onto leg						1		1	1
Manual Haulage, spragging car, finger caught							1	1	1
Fall of rock at face of room					1	3	4	8	8
Fall of rock in pillar workings							2	2	2
Fall of rock while loading from chute						1		1	1
Fall of rock on entry						1	2	3	3
Fall of rock on incline						1		1	1
Fall of coal at face of room						4	7	11	11
Fall of coal in cross-cut						1		1	1
Fall of coal in pillar workings					1	2	2	5	5
Fall of coal at face of entry and on entry					1		3	4	4
Fall of coal and rock in pillar workings					2			2	2
Coupling cars			1	1					1
Conveyor gears, hand caught						1		1	1
Caging, while caging, car slipped on to foot							1	1	1
Gas, blow out of Methane, asphyxiated					2			2	2
Miscellaneous, driving steel dog in timber							1	1	1
Miscellaneous, slipped and fell on incline							1	1	1
Miscellaneous, slipped and fell in chute					1		1	2	2
Miscellaneous, slipped and fell on level							1	1	1
Miscellaneous, slipped and fell packing timber							1	1	1
Miscellaneous, fell from horse			1	1					1
Miscellaneous, fell from fan engine foundation		1		1					1
Miscellaneous, hit hy falling timber							1	1	1
Miscellaneous, chute handle flew up and hit him			1	1					1
Miscellaneous, repairing chute hit by coal							1	1	1
Miscellaneous, knocked down by timber scow							1	1	1
Miscellaneous, hand rail broke and he fell			1	1					1
Miscellaneous, packing timber, hit by coal							1	1	1
Miscellaneous, axe slipped							1	1	1
Miscellaneous, plank broke and he fell			1	1					1
Miscellaneous, taking down drill, it slipped							1	1	1

BITUMINOUS—Continued

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Miscellaneous, slipped when stepping from truck			1	1					1
Miscellaneous, slipped and fell		1	2	3		1	9	10	13
Miscellaneous, slipped and fell while packing timber							1	1	1
Miscellaneous, piece of rock fell on hand							1	1	1
Miscellaneous, fell from ladder						1		1	1
Miscellaneous, piece of coal fell on foot			1	1			1	1	2
Miscellaneous, while chute loading, jammed against car							1	1	1
Miscellaneous, working on pipe line			2	2					2
Miscellaneous, bolt in drill press broke			1	1					1
Total		2	13	15	11	20	53	84	99

SUMMARY

Domestic	1	7	6	14	4	35	56	95	109
Sub-Bituminous			2	2	5	8	5	18	20
Bituminous		2	13	15	11	20	53	84	99
Total	1	9	21	31	20	63	114	197	228

Accidents during 1938, classified according to the Mine in which they occurred

DOMESTIC COAL FIELD

Name of Operator	Area	Above Ground				Under Ground				Total Above and Under Ground
		Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
W. Marsh & Son	Ardley							1	1	1
W. T. Phillips	Castor							1	1	1
Mrs. N. Shaw	Castor							2	2	2
J. H. Oliphant	Carbon		1		1	1			1	2
Rosedale Collieries (Rosedale)	Drumheller						2		2	2
Midland Coal Mining Co. Ltd.	Drumheller						3	1	4	4
Red Deer Valley Coal Co. Ltd.	Drumheller		2		2		2	4	6	8
Commander Coal Co.	Drumheller			1	1			1	1	2
Rosedale Collieries Ltd. (Aerial)	Drumheller						1	1	2	2
Alberta Block Coal Co. Ltd.	Drumheller							1	1	1
Wayne Coal Producers Association Ltd.	Drumheller					1			1	1
Maple Leaf Minerals Ltd.	Drumheller			1	1			3	3	4
The Western Gem & Jewel Collieries Ltd., Mine No. 763	Drumheller					1	1		2	2
The Western Gem & Jewel Collieries Ltd., Mine No. 1493	Drumheller						2		2	2
The Elgin Coal Co. Ltd.	Drumheller			1	1					1
Brilliant Coal Co.	Drumheller		1		1		1	2	3	4
Empire Collieries Ltd. (Willow Creek)	Drumheller							1	1	1
Empire Collieries Ltd. (East Coulee)	Drumheller							1	1	1
The Hy-Grade Coal Co. Ltd.	Drumheller						5	3	8	8
The Monarch Coal Mining Co. Ltd.	Drumheller			1	1		3	4	7	8
Regal Coal Co. Ltd.	Drumheller						2		2	2
Murray Collieries Ltd.	Drumheller			1	1			5	5	6
Great West Coal Co. Ltd.	Edmonton						2	9	11	11
Banner Coals Ltd.	Edmonton						1	3	4	4
Marcus Coals Ltd.	Edmonton	1	2		3		1	2	3	6
Black Point Coal Co.	Edmonton		1		1					1
Rabbit Hill Collieries	Edmonton						2		2	2
Red Hot Coal Co. Ltd.	Edmonton						1		1	1
Beverly Coal Co. Ltd.	Edmonton						1	1	2	2
Ernest Watt	Halcourt							1	1	1
J. J. Hamilton Coal Co.	Lethbridge						1		1	1
John Rollingson	Lethbridge							1	1	1
J. E. Chester	Lethbridge							1	1	1
Lethbridge Collieries Ltd. (Shaughnessy)	Lethbridge						2	3	5	5
Lethbridge Collieries Ltd. (Lethbridge)	Lethbridge			1	1	1	2	3	6	7
John Oliphant	Redcliff							1	1	1
Total		1	7	6	14	4	35	56	95	109

SUB-BITUMINOUS COAL FIELD

Name of Operator	Area	Above Ground				Under Ground				Total Above and Under Ground
		Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Bighorn & Saunders Creek Collieries Ltd.	Saunders						1		1	1
Alexo Coal Co. Ltd.	Saunders			1	1			1	1	2
The Foothills Collieries Ltd.	Coalspur							1	1	1
Lakeside Coals Ltd.	Coalspur						1		1	1
Hinton Collieries Ltd.	Prairie Creek			1	1	5	6	2	13	14
Jasper Coal Ltd.	Prairie Creek							1	1	1
Total				2	2	5	8	5	18	20

BITUMINOUS COAL FIELD

The Canmore Mines Ltd.	Cascade					1	2	3	6	6
Hillcrest Collieries Ltd.	Crowsnest			1	1	2	4	2	8	9
West Canadian Collieries Ltd. (Bellevue)	Crowsnest		1	2	3	2	1	18	21	24
International Coal & Coke Co. Ltd.	Crowsnest			4	4	1	3	12	16	20
McGillivray Creek Coal & Coke Co. Ltd.	Crowsnest					1	1	4	6	6
West Canadian Collieries Ltd. (Greenhill)	Crowsnest						1	2	3	3
Mountain Park Coals Ltd.	Mountain Park			1	1	2	4	9	15	16
Cadomin Coal Co. Ltd.	Mountain Park			2	2		1	1	2	4
Luscar Coals Ltd.	Mountain Park			2	2	2	1		3	5
Brazeau Collieries Ltd.	Nordegg		1	1	2		2	2	4	6
Total			2	13	15	11	20	53	84	99

SUMMARY

Domestic	1	7	6	14	4	35	56	95	109
Sub-Bituminous			2	2	5	8	5	18	20
Bituminous		2	13	15	11	20	53	84	99
Total	1	9	21	31	20	63	114	197	228

LIST OF PROSECUTIONS INSTITUTED UNDER THE COAL-MINES REGULATION ACT FOR THE YEAR ENDING DECEMBER 31, 1938

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
K.N.J. Mine	Miner	Working in the mine with an open light	Convicted	Fined $2.00 or 5 days	$ 4.75
K.N.J. Mine	Miner	Working in the mine with an open light	Convicted	Fined $2.00 or 5 days	4.75
K.N.J. Mine	Overman	Allowing men to work with open lights	Convicted	Fined $5.00 or 10 days	3.75
Brilliant Coal Company	Working as a miner	Misrepresentation	Convicted	Fined $25.00 and costs or 2 months' hard labour	5.75
Brilliant Coal Company	Working as a miner	Working at face without a coal-miner's certificate	Convicted	Fined $10.00 or 1 month's hard labour	
An Illegal Mine	No occupation	Mining without a miner's certificate in coal	Convicted	Fined $1.00 or 15 days	4.00
An Illegal Mine	No occupation	Working at coal face with miner's certificate	Convicted	Fined $5.00 or 30 days	4.00
Brilliant Coal Company	Miner	Being below ground for the purpose of his work for a period in excess of the eight-hour law	Convicted	Fined $2.00 or 10 days with hard labour	2.25
Brilliant Coal Company	Miner	Had in mine cigarette paper, cigarette tobacco and matches	Convicted	Fined $25.00 and costs or 2 months' hard labour	2.25
Red Deer Valley Coal Co. Ltd.	Miner	Unlawfully placed a 1¼ stick of pellet blasting powder in shot hole before arrival of fire-boss	Convicted	Fined $5.00 or 15 days in jail	4.25
Vanbesien Mine (Mrs. A. Herbaut)	Miner	Sought employment by means of a fraudulent certificate of competency as a miner contrary to Sec. 49 of the C.M.R. Act	Convicted	1 month's hard labour, no option of fine	
Hinton Collieries Ltd.	Electrician	He did take a blow torch into the Hinton Mine and did use same	Convicted	Fined $20.00	2.40
Hinton Collieries Ltd.	Overman	Failed to inspect place where and after shots had been fired to ascertain if work could be safely resumed and allowed men to enter such places without making necessary inspection	Convicted	Fined $25.00	3.00
Hinton Collieries Ltd.	Overman	Did fail to inspect with a locked frame type safety lamp that part of the mine intended to be worked, etc.	Convicted	Fined $30.00	3.00
Hinton Collieries Ltd.	Examiner	Did fail to inspect with a locked flame type safety lamp that part of the mine intended to be worked, etc.	Convicted	Fined $25.00	3.00
Hinton Collieries Ltd.	Examiner	Failed to inspect place where and after shots had been fired to ascertain if work could be safely resumed and allowed men to enter such places without the necessary inspection	Convicted	Fined $25.00	3.00
Hinton Collieries Ltd.	Examiner	Failed to inspect with a locked flame type safety lamp that part of the mine intended to be worked, etc.	Convicted	Fined $25.00	3.00

LIST OF PROSECUTIONS INSTITUTED UNDER THE COAL-MINES REGULATION ACT FOR THE YEAR ENDING DECEMBER 31, 1938—Continued

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Hinton Collieries Ltd.	Examiner	Failed to inspect the place where and after shots had been fired to ascertain if work could be safely resumed and allowed men to enter such places without having the necessary inspection	Convicted	Fined $25.00	3.00
Hinton Collieries Ltd.	7 Miners	They did fire shots in the mine not being competent persons	Convicted	Fined $10.00 each	16.80
Hinton Collieries Ltd.	Manager	In a mine in which inflammable gas had been found within the preceding twelve months, did not require examiners appointed for that purpose to inspect with a locked flame type safety lamp those parts of the mine intended to be worked and the roadways leading thereto within three hours before the time the next succeeding shift commenced work	Convicted	Fined $75.00	1.75
Hinton Collieries Ltd.	Manager	Did not keep in use in connection with a ventilating fan, not being an auxiliary fan placed underground, an automatic recording pressure gauge	Convicted	Fined $50.00	1.75
Hinton Collieries Ltd.	Manager	Did neglect to see that the provisions of The Coal-mines Regulation Act with respect to shot-firing were strictly observed in that he knowingly permitted miners other than competent persons appointed for the purposes as defined by the said Act to fire shots in places in which the use of a locked safety lamp was for the time being required	Convicted	Fined $75.00	3.75
Lethbridge Coll. Ltd., No. 8 Mine	Gripper	Did have in his possession smoking tobacco	Convicted	Fined $1.00 and costs	4.50
Alberta Block Coal Co. Ltd.	Miner	Had insufficient timber set to properly secure the roof and sides of his working place	Convicted	Fined $2.00	2.95
Brilliant Coal Company	Miner	Unlawfully placing ¼ stick of powder in shot hole before arrival of the fire-boss	Convicted	Fined $2.00 and costs	2.90
Alberta Block Coal Co. Ltd.	Miner	Had insufficient timber set to properly secure the roof and sides of his working place	Convicted	Fined $2.00	2.90

NUMBER OF MINES OPENED, ABANDONED AND RE-OPENED ACCORDING TO AREAS AND KIND OF COAL, DURING THE YEAR

Area	Area Number	Character of Coal	No. of Mines in operation Dec. 31, '38	Mines opened during the year	Mines re-opened during the year	Mines closed but not abandoned	Mines abandoned during the year	Name and Address of District Inspector of Mines
Ardley	1	Domestic	14					
Big Valley	2	Domestic	3				1	
Camrose	5	Domestic	8			1		
Castor	8	Domestic	33	3	2	3	1	
Edmonton	15	Domestic	32	3		3		
Tofield	42	Domestic	4					
Wetaskiwin	45	Domestic	4	2			1	
Brooks	3	Domestic	3					
Champion	9	Domestic	8			1	2	
Lethbridge	20	Domestic	16			2		W. E. G. Hall,
Magrath	21	Domestic	1			1		Lethbridge, Alta.
Milk River	22	Domestic	5	1				Tel. No. 3325.
Pakowki	28	Domestic	4					
Redcliff	34	Domestic	2					
Taber	41	Domestic	12	2		2		
Coalspur	11	Sub-Bituminous	6			1		Thomas Horne,
Edmonton	15	Domestic	1			2		Edson, Alta.
Mountain Park	24	Bituminous	4			2		Tel. No. 35.
Pembina	31	Domestic	3	1		1	1	Residence.
Prairie Creek	33	Sub-Bituminous	2					
Crowsnest	12	Bituminous	10					E. H. Morgan,
Pincher	32	Sub-Bituminous	2					Blairmore, Alta.
								Tel. No. 70.
Carbon	6	Domestic	17	1		1		
Cascade	7	Bituminous	2					
Drumheller (Wayne)	14	Domestic	7	1		1	2	W. G. Heeley, New Court House
Gleichen	17	Domestic	4		1			Building,
Morley	23	Sub-Bituminous	1					Calgary, Alta.
Nordegg	25	Bituminous	1					Tel. No. M842-84.
Pekisko	30	Sub-Bituminous	6				1	
Saunders	36	Sub-Bituminous	3	1				
No Area		Domestic						
Drumheller	14	Domestic	18				2	
Gleichen	17	Domestic	2					
Sheerness	38	Domestic	11			2	3	
Halcourt	18	Domestic	9	3		3	2	
Whitecourt	46	Domestic	1					A. B. Hunter,
Pakan	27	Domestic	2	2		3		Edmonton, Alta.
Rochester	35	Domestic	2	1				Tel. No. 916415.
Sexsmith	37	Domestic	1					
No Area		Domestic	3			1		
		Total	259	21	3	28	17	

In addition to the above, Mr. A. B. Hunter, 10904 75th Street, Edmonton, is acting in the capacity of Assistant Chief Inspector of Mines, Telephone No. 72212.

BOARD OF EXAMINERS

The Board during the year 1938 consisted of the following:
As representing:

(a) The Mine Inspectorate:
Andrew A. Millar, Chief Inspector of Mines.

(b) Managers:
Robert Livingstone, A. C. Dunn.

(c) Working Miners:
William Lammie, Evan Morgan.

Secretary: James A. Richards.

During the year Mr. Robert Livingstone, due to ill-health and coincident with his retiral from active mine management, resigned from the Board and Mr. James Cumberford, Drumheller, was appointed to the vacancy.

Mr. Livingstone has given long and valuable assistance as a member of this Board.

Examinations during the year were held as follows:

For third class at the following centres: Canmore, May 10 and 12; Blairmore, May 10 and 11; Grande Prairie, May 11 and 12; Edmonton, May 10 to 18; Cadomin, May 10; Drumheller, May 10 to 15; Lethbridge, May 10 and 11; Nordegg, June 10.

For first and second class on June 8, 9 and 10 at Blairmore, Lethbridge, Canmore, Drumheller, Edmonton, and Nordegg.

For mine surveyors' on June 10 at Nordegg, Drumheller, and Blairmore.

Thirteen candidates presented themselves for examination for first class certificates, of whom two were successful.

Thirty-six candidates presented themselves for examination for second class certificates, twelve of whom were successful. This included one candidate for supplementary examination who was successful and one who was not successful. This examination is in accordance with Rule 9 (b) of the Rules Governing Examinations for second class certificates.

Eighty-four candidates presented themselves for examination for third class certificates, of whom sixty-one were successful.

Four candidates presented themselves for examination for mine surveyors' certificates, of whom one was successful.

The successful candidates are in the list following herewith:

LIST OF NAMES OF HOLDERS OF FIRST, SECOND AND THIRD CLASS AND MINE SURVEYORS' CERTIFICATES

Issued by the Government of the Province of Alberta during the year 1938

FIRST CLASS

Name	Address	Cert. No.	Date of Issue
Jones, John R. B.	Edmonton	18	21- 7-38
Tcuhey, James B.	Drumheller	19	27- 7-38

SECOND CLASS

Alexander, William	Bellevue	68	30- 7-38
Carmichael, Malcolm	Canmore	65	21- 7-38
Fridel, Stephen	Edmonton	69	30- 7-38
Goodwin, Albert E.	Bellevue	72	26- 8-38
Holliday, Thomas	Drumheller	71	17- 8-38
Henry, Wm. B.	Newcastle	76	9-11-38
Muir, Alexander	Alexo	67	27- 8-38
Miller, Henry	Taber	75	13-10-38
McAndrew, John M.	Calgary	64	19- 7-38
McMullen, Arthur	Nordegg	66	21- 7-38
Shaw, Robert	Coleman	70	2- 8-38
Thomas, David R.	Edmonton	73	3- 9-38

THIRD CLASS

Name	Address	Cert. No.	Date of Issue
Anderson, Arne	Elnora	313	4- 7-38
Allen, Walter F.	Wayne	315	4- 7-38
Barnes, George S.	Mountain Park	290	8- 6-38
Bulat, John	Edmonton	291	8- 6-38
Briers, Leonard	Red Deer	317	8- 7-38
Boychuk, Michael T.	Shaughnessy	324	12- 8-38
Barclay, Peter	Foothills	332	7- 9-38
Blum, Leo	Lynburn	336	19- 9-38
Bryant, E. A.	Wabamun	337	1-10-38
Camarta, John	Bittern Lake	287	8- 6-38
Cumberford, Granger	Drumheller	289	8- 6-38
Campbell, Harry B.	Forestburg	303	22- 6-38
Colonel, Daniel	Edberg	318	14- 7-38
Crawford, John S.	Alix	333	7- 9-38
Duquesne, George	Champion	306	22- 6-38
Dunn, Robert A.	Willow Creek	322	8- 8-38
Davies, Ernest	Big Prairie	326	26- 8-38
Fiegren, Eric	Mercoal	280	11- 2-38
Fox, Benjamin	Carbon	297	11- 6-38
Folden, Irvine A.	East Coulee	323	9- 8-38
Fox, Alfred, Jr.	Carbon	334	19- 9-38
Greig, Norman	Dinant	293	10- 6-38
Grant, Alexander	Hillcrest	298	13- 6-38
Groombridge, Thomas	Edberg	312	4- 7-38
Green, Walter	East Coulee	328	29- 8-38
Herz, E. Louis C. J.	Evansburg	308	22- 6-38
Hamilton, Duncan C.	Drumheller	320	28- 7-38
Henry, Wm. B.	Newcastle	339	9-11-38
Hetherington, W. B.	Calgary	340	9-11-38
Jones, J. R. B.	Edmonton	301	22- 6-38
Louhella, Sula A.	Canmore	295	10- 6-38
Lynass, James C.	Delburne	310	22- 6-38
Mills, Jonathan J.	Rosalind	283	22- 4-38
Miskow, Michael J.	Canmore	284	7- 6-38
Morkwia, Victor, Jr.	Canmore	285	7- 6-38
Morris, Robert L.	Coleman	294	10- 6-38
Murphy, Peter J., Jr.	Drumheller	325	15- 8-38
Moran James, Jr.	Edmonton	342	10-12-38
MacKenzie, John	East Coulee	299	13- 6-38
McMullen, Sidney G.	Drumheller	311	22- 6-38
McIntyre, Arnold J.	Mercoal	331	7- 9-38
McLaren, Fred	Dinant	341	14-11-38
Nelson, John B. H.	Dinant	335	19- 9-38
Oxbury, John	Brynon	327	26- 8-38
Passoli, E. L.	Vulcan	314	4- 7-38
Parry, Joseph	Mercoal	316	8- 7-38
Richards, Lorenzo C.	Coleman	286	7- 6-38
Riva, Joseph	Canmore	288	8- 6-38
Remillard, Omer V.	Castor	304	22- 6-38
Raisbeck, Luke	East Coulee	330	7- 9-38
Stewart, Jas. M., Jr.	Nordegg	281	7- 3-38
Sheridan, Daniel	Lacombe	296	11- 6-38
Simpson, Edward	Edmonton	300	22- 6-38
Schymizek, John	Bright Bank	302	22- 6-38
Swan, Harry	Priddis	307	22- 6-38
Sirko, Tibor	Rosedale Station	319	21- 7-38
Stratton, Andrew T.	Redcliff (duplicate)	329	7- 9-38
Smith, Harry	Drumheller	338	21-10-38
Treventhin, Mark	Wayne	305	22- 6-38
Valentini, Marcelli	Bow Island	309	22- 6-38
Wheeler, Albert	Clyde	282	24- 3-38
Yarham, John I.	Forestburg	321	8- 8-38
Zambo, Joseph	Aerial	292	10- 6-38

MINE SURVEYOR

Hamilton, Duncan C.	Drumheller	10	1-10-38

LIST OF MINES

Mine No.	Operator	Address	Location					Character of Coal
			L.S.	S.	Tp.	Rge.	Mer.	
	Ardley Area							
255	Carl Kurp	Alix, N.E. ¼	5	17	38	23	4th	Domestic
809	J. W. Sissons	Alix, E. of C.N.R.	6	33	38	23	4th	Domestic
812	Walter Marsh & Son	Delburne, N.W. ¼	15	2	38	24	4th	Domestic
912	Super-Heat Coal Co., Ltd.	Ardley, N.E. ¼	8	29	38	23	4th	Domestic
949	Thomas A. Paton	Delburne	7	27	37	22	4th	Domestic
969	James Blades	Delburne	14	10	38	23	4th	Domestic
1018	Alex. Johnson	Ardley	3	17	38	23	4th	Domestic
1049	Leo Ness	Nevis	1	34	37	22	4th	Domestic
1135	Thos. J. Kurp	Delburne	4	7	38	23	4th	Domestic
1291	Moses F. Johnson	Haynes, N.E. ¼	8	11	38	24	4th	Domestic
1322	John Lynass	Delburne	16	7	38	23	4th	Domestic
1365	Russell & McFadden	Alix	14	7	38	23	4th	Domestic
1439	McGladrie & Kehl	Nevis	3	11	39	22	4th	Domestic
1486	Crawford Brothers	Alix	13	29	38	23	4th	Domestic
1488	Chas. O. Russell	Haynes, W. ½	3	29	38	23	4th	Domestic
	Big Valley Area							
864	Watson & Ross	Big Valley	16	26	35	20	4th	Domestic
1189	James McKinlay	Huxley, E. ½ of E. ½	13					Domestic
			14	3	34	22	4th	Domestic
1254	R. Campkin, R.R. No. 1	Lousana, S.W. ¼	16	12	36	22	4th	Domestic
1376	Robert Halbert	Trochu	7	30	34	21	4th	Domestic
	Brooks Area							
1329	Kleenbirn Collieries, Ltd.	Eyremore	3	16	17	17	4th	Domestic
1404	Kleenbirn Collieries, Ltd.	Eyremore	7	15	17	17	4th	Domestic
1526	Haley & Hamm	Lomond, W. ½ of N.W. ¼		28	16	17	4th	Domestic
	Camrose Area							
241	Joe Proskow	Dinant	4	18	48	19	4th	Domestic
244	Stoney Creek Collieries, Ltd.	Camrose	1	33	46	20	4th	Domestic
374	Canadian Dinant Coal Co., Ltd.	Dinant	9	12	48	20	4th	Domestic
601	Geo. Law, R.R. No. 2	Ohaton	9	10	48	18	4th	Domestic
610	L. Strilcyzk, R.R. No. 2	Ohaton	8	10	48	18	4th	Domestic
760	W. T. Gotheridge & Sons	Round Hill, S.W. ¼	7	30	48	18	4th	Domestic
1259	Low Valley Coal Co.	Camrose	16	21	46	20	4th	Domestic
1420	Red Flame Coal Co.	Round Hill	14	19	48	18	4th	Domestic
1524	Geo. Shute & Partners	Dinant, E. ½	..	7	48	19	4th	Domestic

	Carbon Area							
53	Spencer & Dolphin	Carbon, S.W. 1/4	3	14	29	23	4th	Domestic
113	Albert Trentham	Three Hills	16	26	31	24	4th	Domestic
384	Canadian Dinant Coal Co., Ltd.	Three Hills	3	36	31	24	4th	Domestic
444	Andrew Hanson	Three Hills	7	14	31	24	4th	Domestic
690	John Blair	Rowley	4	13	32	21	4th	Domestic
694	Joseph Hodgson	Rowley, N. 1/2	13	12	32	21	4th	Domestic
710	Geo. C. Yard & Son	Trochu, S.E. 1/4	9	14	33	23	4th	Domestic
817	J. C. H. Davies	Ghost Pine Creek	2	6	31	21	4th	Domestic
904	Carbon Coal Company	Carbon	7	16	29	23	4th	Domestic
921	Otto Schlender	Trochu	15	14	33	23	4th	Domestic
1060	Balogh Coal Co., Ltd.	Carbon	12-13	7	29	22	4th	Domestic
1226	C. C. Campbell	Trochu, W. 1/2	9	29	33	22	4th	Domestic
1283	Halbert Bros.	Trochu	8	14	33	23	4th	Domestic
1359	Balogh Bros. (Arctic Coal Co.)	Carbon	15	13	29	23	4th	Domestic
1396	Carbon Black Coals (J. H. Oliphant)	Carbon	14	10	29	23	4th	Domestic
1499	Nuttal & Davidson	Three Hills	1	9	31	22	4th	Domestic
1538	J. S. Morel	Three Hills, N.E. 1/4		9	31	22	4th	Domestic
	Cascade Area							
2	The Canmore Mines, Ltd.	Canmore, N.E. 1/4	1	29	24	10	5th	Bituminous
1244	Frank Wheatley & Sons	Banff	12	4	26	11	5th	Bituminous
	Castor Area							
245	Bish Bros. & LeGear	Forestburg	13	36	40	16	4th	Domestic
251	John Tyrlik	Heisler, S.W. 1/4	16	28	42	17	4th	Domestic
289	E. L. Bignell	Gadsby, N.W. 1/4	11	28	39	16	4th	Domestic
291	Johnson, Chiswick & Yates	Gadsby, S. 1/2	11	28	39	16	4th	Domestic
447	A. J. James	Forestburg	13	28	40	15	4th	Domestic
615	John Sank	Heisler, S. 1/2	1	28	42	17	4th	Domestic
622	Fred Ewing	Rosalind	8	7	43	17	4th	Domestic
666	E. W. Simmons	Forestburg	16	2	41	16	4th	Domestic
807	Frank Wilkinson	Donalda	1	29	41	17	4th	Domestic
902	J. B. Remillard	Castor	16	33	37	14	4th	Domestic
911	F. G. Meek	Heisler	1	33	42	17	4th	Domestic
913	Ben Hronek	Halkirk	1	7	39	15	4th	Domestic
948	J. J. Mills	Rosalind	6	8	43	17	4th	Domestic
953	Wiltse & Line	Forestburg	16	32	40	15	4th	Domestic
964	M. R. Muyres	Forestburg	9	32	40	15	4th	Domestic
1042	Sidney Cheshire	Heisler	8	21	42	17	4th	Domestic
1046	J. F. Cordel	Halkirk	6	20	40	15	4th	Domestic
1064	Samuel James	Alliance	1	32	40	15	4th	Domestic
1062	Chas. Strader	Halkirk	4	17	39	15	4th	Domestic
1203	A. G. Rodway	Halkirk	5	8	39	15	4th	Domestic
1232	Albert Young	Halkirk, N.W. 1/4		24	40	16	4th	Domestic
1237	D. L. Gordon	Halkirk	11	8	39	15	4th	Domestic
1240	W. T. Phillips	Castor	1-2	4	38	14	4th	Domestic
1248	Thomas Mitchinson	Donalda	5	29	41	17	4th	Domestic

LIST OF MINES—Continued

Mine No.	Operator	Address	Location					Character of Coal
			L.S.	S.	Tp.	Rge.	Mer.	
	Castor Area—Continued							
1349	James Bradley	Foreman	16	26	40	16	4th	Domestic
1361	Mrs. Dan Shaw	Castor	9	33	37	14	4th	Domestic
1417	John Armstrong	Castor	14	34	37	14	4th	Domestic
1435	Anonson Bros.	Edberg, N. ½	6					
		S ½	11	2	44	19	4th	Domestic
1441	R. Heisz	Donalda	12	16	42	17	4th	Domestic
1475	Daniel Colonel	Edberg	3	18	44	19	4th	Domestic
1485	F. N. Wiltse	Halkirk, N. ½	9					
		S ½	16	31	39	15	4th	Domestic
1541	H. C. Muncy	Foreman	15	26	40	16	4th	Domestic
1542	W. Jones	Donalda	2	33	41	17	4th	Domestic
1552	Anonson, Campbell & Co.	Rosalind	14	4	43	17	4th	Domestic
	Champion Area							
136	Geo. Rhodes	Champion	7	8	15	22	4th	Domestic
758	Alec Fraser	Carmangay, N.W. ¼	14	25	14	22	4th	Domestic
1137	Pederotto & Passoli	Champion, S.W. ¼	2	4	16	23	4th	Domestic
1273	Mrs. A. Herbaut	Champion	14	33	15	23	4th	Domestic
1364	James Henderson	Lomond, S.W. ¼	3	36	14	22	4th	Domestic
1418	Mike Popovich	Champion	7	8	16	23	4th	Domestic
1454	Mrs. A. Herbaut	Champion	16	32	15	23	4th	Domestic
1509	A. M. S. McGaw	Champion	16	33	15	23	4th	Domestic
	Coalspur Area							
769	Sterling Collieries, Ltd.	Sterco	12	35	47	20	5th	Sub-bituminous
771	Foothills Collieries, Ltd., The	Foothills	10	24	47	20	5th	Sub-bituminous
775	Lakeside Coals, Ltd.	Robb	3	14	49	21	5th	Sub-bituminous
846	McLeod River Hard Coal Co., Ltd.	Mercoal	5	25	48	22	5th	Sub-bituminous
1002	Coal Valley Mining Co., Ltd.	Coal Valley	16	26	47	20	5th	Sub-bituminous
1157	H. H. Croxton (Bryan Mine)	Robb	11	15	49	21	5th	Sub-bituminous
	Crowsnest Area							
40	Hillcrest Collieries, Ltd.	Hillcrest	16	18	7	3	5th	Bituminous
87	West Canadian Collieries, Ltd.	Bellevue	10	20	7	3	5th	Bituminous
88	International Coal & Coke Co., Ltd.	Coleman	11	8	8	4	5th	Bituminous
133	Mohawk Bituminous Mines, Ltd.	Bellevue, S.E. ¼		21	7	3	5th	Bituminous
153	Burmis Coal Co.	Burmis	8	14	7	3	5th	Bituminous
199	Beaver Mine Co.	Beaver Mines	10	3	6	2	5th	Bituminous
204	McGillivray Creek Coal & Coke Co., Ltd.	Coleman, S.W. ¼	2	17	8	4	5th	Bituminous
295	B. A. Wilson	Pincher Creek	11	10	5	1	5th	Bituminous
820	Sentinel Coal Co.	Sentinel	10	34	7	5	5th	Bituminous

	Drumheller Area							
346	Rosedale Collieries, Ltd.	Rosedale	14	28	28	19	4th	Domestic
367	Midland Coal Mining Co., Ltd.	Drumheller	10–11	9	29	20	4th	Domestic
402	Red Deer Valley Coal Co., Ltd.	Drumheller, N.E. ¼ Road Allowance		7	29	20	4th	Domestic
422	Commander Coal Company	Drumheller	5	9	29	20	4th	Domestic
436	Rosedale Collieries, Ltd.	Aerial, S.E. ¼	7	28	28	19	4th	Domestic
620	Newcastle Collieries, Ltd.	Drumheller, N.W. ¼		3	29	20	4th	Domestic
675	Comet Coal Co., Ltd.	East Coulee	12	28	27	18	4th	Domestic
703	Wayne Coal Producers Association, Ltd.	Wayne	3	7	28	19	4th	Domestic
728	Maple Leaf Minerals, Ltd.	Drumheller	13	32	27	18	4th	Domestic
737	Superior Grade Coal Co., Ltd.	Wayne	2	19	28	19	4th	Domestic
764	Ben Pickering	Beynon, W. ½	2					
			3	6	28	20	4th	Domestic
815	Ernest Denio	Rosebud	16					
			13	7	28	19	4th	Domestic
819	Elgin Coal Co., Ltd.	Drumheller	14	2	29	20	4th	Domestic
1117	Wm. Morrill	Beynon	3	6	28	20	4th	Domestic
1214	Hamilton & Nelson	Delia, S.E. ¼	15	23	28	18	4th	Domestic
1258	Brilliant Coal Company	Drumheller	11	10	29	20	4th	Domestic
1279	Empire Collieries, Ltd.	Willow Creek	6–7	7	28	18	4th	Domestic
1299	Empire Collieries, Ltd.	East Coulee	2	32	27	18	4th	Domestic
1421	Hy-Grade Coal Co., Ltd.	Drumheller	13	11	29	20	4th	Domestic
1473	The Monarch Coal Mining Co., Ltd.	Drumheller	7	8	29	20	4th	Domestic
1484	Regal Coal Co., Ltd.	Drumheller, N.W. ¼		21	27	18	4th	Domestic
1491	The Murray Collieries, Ltd.	Drumheller, S.E. ¼		29	27	18	4th	Domestic
1493	Western Gem & Jewel Collieries, Ltd.	Rosedale Station, N.W. ¼	6	15	28	19	4th	Domestic
1511	Aetna Coal Company	East Coulee	1	22	28	19	4th	Domestic
1515	E. B. Foye	Delia	10	22	28	18	4th	Domestic
1520	The Minute Coal Company	Drumheller	2	14	29	20	4th	Domestic
1544	Wayne Combine Colliery Co.	Wayne	16	7	28	19	4th	Domestic
	Edmonton Area							
29	Evan N. Richards	Edmonton South	11	25	51	25	4th	Domestic
90	Fraser-MacKay Collieries, Ltd.	Clover Bar	13–14	8	53	23	4th	Domestic
91	Ottewell Coal Company	Clover Bar, S.W. ¼	4	17	53	23	4th	Domestic
99	Great West Coal Co., Ltd.	Clover Bar, S.E. ¼	10	7	53	23	4th	Domestic
129	Levi Parker (The Alberta Mine)	Cardiff	16	23	55	23	4th	Domestic
155	Dawson Coal, Ltd.	Edmonton	R.L. 25 Rifle Range					Domestic
351	Frank Chiarello	Legal, S.W. ¼		25	57	25	4th	Domestic
428	Banner Coals, Ltd.	Carbondale	10	8	55	24	4th	Domestic
699	Marcus Coals, Ltd.	Clover Bar	15	8	53	23	4th	Domestic
707	Bush Mines, Ltd.	Beverly	R.L. 40 Edmonton Settlem'nt					Domestic
753	James Moran & Sons	Carbondale	8	8	55	24	4th	Domestic
1034	Black Point Coal Co.	Edmonton South	6	25	51	25	4th	Domestic
1091	Rabbit Hill Collieries	Edmonton South	9	26	51	25	4th	Domestic
1098	Long Coal Company, Ltd.	Namao, S.E. ¼	4	31	54	24	4th	Domestic
1167	Booth Bros.	Beverly P.O., N.W. ¼	1	18	53	23	4th	Domestic
1229	Mrs. Taylor & W. Miller	Bon Accord	9	3	56	24	4th	Domestic

LIST OF MINES—Continued

Mine No.	Operator	Address	Location					Character of Coal
			L.S.	S.	Tp.	Rge.	Mer.	
	Edmonton Area—Continued							
1233	Mike Sinoski (Box 4042)	Edmonton South	5	25	51	25	4th	Domestic
1266	McDonell Coal Co.	Namao	14	36	54	25	4th	Domestic
1297	Ellerslie Collieries (R.R. No. 3)	Edmonton South	1	26	51	25	4th	Domestic
1316	Samis Collieries	Namao	6	36	54	25	4th	Domestic
1321	D. O. Roberts	Cardiff, S.W. ¼	15	24	55	25	4th	Domestic
1352	Mrs. Steve Poholka	Edmonton South	8	26	51	25	4th	Domestic
1357	Red Hot Coal Co., Ltd. (10841 93rd St.)	Edmonton	R.L. 33 Edmonton Settlem'nt					Domestic
1366	Beverly Coal Co., Ltd. (9424 98th Ave.)	Edmonton	6	13	53	24	4th	Domestic
1393	Ottewell Coal Co., No. 2 Mine	Clover Bar, Block X N. E. ¼		36	52	24	4th	Domestic
1419	Klapstein & Opalinski (R.R. No. 3)	Edmonton South	4	25	51	25	4th	Domestic
1427	Kent Coal Co., Ltd. (10631 92nd St.)	Edmonton	4	30	52	23	4th	Domestic
1462	Joseph Pickard	Edmonton South	12	25	51	25	4th	Domestic
1463	Riverdale Coal Co., Ltd. (Gen. Del.)	Edmonton, N.E. Cor.	14	5	55	24	4th	Domestic
1476	Dickinson, Knight & Dickinson	Carbondale, N.W. ¼		9	55	24	4th	Domestic
1492	John May (Acme Coal Mine)	Edmonton South	7	25	51	25	4th	Domestic
1496	D. J. M. Gwilliam	Namao	3	6	55	24	4th	Domestic
1528	G. W. Smith	Wordbend	9	1	51	26	4th	Domestic
1530	Brehm Coal Co. (R.R. No. 3)	Leduc Fr. 8 and	9	35	50	26	4th	Domestic
1550	George Burnham (R.R. No. 5)	Edmonton 10-	11-15	29	51	25	4th	Domestic
	Gleichen Area							
72	Blackfoot Indians	Gleichen	Blackfoot Indian Reserve					Domestic
299	Henry Molzan	Rosebud, S. ½	4	29	26	21	4th	Domestic
1249	James Finlayson	Bassano, N.W. cor.	7	26	20	19	4th	Domestic
1265	Standard Coal Mine	Standard	5	11	25	22	4th	Domestic
1431	Consumers Coal Co.	Rosebud	3	29	26	21	4th	Domestic
1521	William McMillan	Rosebud	14	20	26	21	4th	Domestic
	Halcourt Area							
651	Tissington Bros.	Grande Prairie	15	35	70	7	6th	Domestic
1134	Hamilton & Turner	Beaverlodge	1	21	70	10	6th	Domestic
1360	Loskill & Schneider	Dimsdale	7	21	70	7	6th	Domestic
1399	Hugh Sinclair	Grande Prairie, N.E. ¼	7	21	70	7	6th	Domestic
1433	Mitchell Bros.	Dimsdale, S.E. ¼	4	21	70	7	6th	Domestic
1507	Frank Clark	Halcourt	1	20	70	10	6th	Domestic
1539	Dunbar & Partners	Hinton Trail	2	21	70	10	6th	Domestic
1546	G. A. Hutcheson & W. R. Moss	Wembley	4	7	70	8	6th	Domestic
1549	J. L. McIntosh	Dimsdale, N.W. ¼	7	13	70	7	6th	Domestic

	Lethbridge Area							
54	J. J. Hamilton Coal Co.	Lethbridge, N.W.	5	36	8	22	4th	Domestic
55	Loxton & Partners	Magrath	1	18	7	21	4th	Domestic
56	Rozzolini & Bridarolli	Magrath, N. ½ S.W. ¼	3	7	7	21	4th	Domestic
192	City of Lethbridge	Lethbridge	7	36	8	22	4th	Domestic
203	H. A. Dupen	Lethbridge, S.E. ¼	9	31	9	21	4th	Domestic
738	Geo. Rollingson (Box 732)	Lethbridge	2	11	8	22	4th	Domestic
761	Robert Crawford	Lethbridge, N.E. ¼	4	36	8	22	4th	Domestic
871	John Rollingson (648 14th St. S.)	Lethbridge	14	36	8	22	4th	Domestic
983	E. H. F. Warren	Picture Butte	11-12	27	10	21	4th	Domestic
984	W. F. Miller & Partners (closed)	Magrath, N.W. ¼	1	2	7	22	4th	Domestic
1045	Batchelor, MacIntyre & Dykstra	Lethbridge, S. ½	15-16	2	8	22	4th	Domestic
1086	Cattoni & Rota (720 12th St. B.N.)	Lethbridge	5	8	7	21	4th	Domestic
1095	Chester Mine (Box 5)	Lethbridge	9	30	9	21	4th	Domestic
1109	Lund, Nelson & Hagblad (Box 169)	Lethbridge	8	31	9	21	4th	Domestic
1219	Lethbridge Co-operative Mines Association, Ltd.	Lethbridge	12	29	9	21	4th	Domestic
1263	Lethbridge Collieries, Ltd.	Shaughnessy	11	30	10	21	4th	Domestic
1423	Degaust & Partners	Lethbridge, S.W. ¼		1	9	22	4th	Domestic
1464	Lethbridge Collieries, Ltd.	Lethbridge	3	2	9	22	4th	Domestic
	Magrath Area							
1332	Smith & Ferguson	Hillspring	2	35	4	28	4th	Domestic
	Milk River Area							
179	Tim Speed	Milk River, S.E. ¼	13	31	2	15	4th	Domestic
1301	Thos. Taylor	Groton	8,9,10	10	3	11	4th	Domestic
1370	J. J. Mueller	Masinasin, W. ½	9					
			10	27	2	12	4th	Domestic
1522	C. Schmitt & Partners	Allerston	12-13	15	3	12	4th	Domestic
1540	E. L. Bye	Lucky Strike, N.W. ¼	5	35	2	12	4th	Domestic
	Morley Area							
219	Mrs. Knight and E. Davies	Big Prairie, N.W. ¼	12					
		W. ½	13	30				
		S.W. ¼	4	31	29	5	5th	Sub-bituminous
	Mountain Park Area							
282	Mountain Park Coals, Ltd.	Mt. Park, S.W. ¼		33	45	23	5th	Bituminous
693	Cadomin Coal Co., Ltd.	Cadomin	14	31	46	23	5th	Bituminous
905	Luscar Coals, Ltd.	Luscar	7	23	47	24	5th	Bituminous
1392	K. D. Collieries, Ltd.	Luscar	7-11-14	2	46	24	5th	Bituminous
	Nordegg Area							
256	Brazeau Collieries, Ltd.	Nordegg	13	22	40	15	5th	Bituminous

LIST OF MINES—Continued

Mine No.	Operator	Address	Location					Character of Coal
			L.S.	S.	Tp.	Rge.	Mer.	
	Pakan Area							
1406	L. W. Garred	Pakan, W. ½	4–5	6	58	16	4th	Domestic
	Pakowki Area							
341	C. Perini & Sons	Granlea, N.E. ¼	7	5	8	8	4th	Domestic
718	W. Reville	Tcthill	15	28	8	4	4th	Domestic
1138	Wm. Geddes	Little Plume, W. ½	15	2	9	5	4th	Domestic
1318	Wm. Raeder	Elkwater	10	23	8	3	4th	Domestic
	Pekisko Area							
361	Harry Swan	Priddis	11	7	22	3	5th	Sub-bituminous
1142	Wilkinson & Campbell	Bragg Creek	11	27	22	4	5th	Sub-bituminous
1155	W. Kummer, R.R. No. 2	High River	5	9	18	2	5th	Sub-bituminous
1510	K.N.J. Mine	Priddis, N.E. ¼	6	5	22	3	5th	Sub-bituminous
1516	G. C. Davies	Priddis	10	4	22	3	5th	Sub-bituminous
	Pembina Area							
419	Lakeside Coals, Ltd.	Wabamun	15	9	53	4	5th	Domestic
1409	Geo. Sturit	Gainford, S.E. ¼		36	53	6	5th	Domestic
1495	A. M. Davidson	Entwistle, N.W. ¼		34	53	7	5th	Domestic
1533	L. E. Horz	Evansburg	3	15	54	7	5th	Domestic
	Pincher Area							
59	S. J. Purdy & Sons	Lundbreck, S.W. ¼	15	26	7	2	5th	Sub-bituminous
1175	Rhodes Bros.	Lundbreck, S.W. ¼		23	7	2	5th	Sub-bituminous
	Prairie Creek Area							
1257	Hinton Collieries, Ltd.	Hinton	14	10	51	25	5th	Sub-bituminous
1296	Jasper Coal, Ltd.	Drinnan	7	19	51	24	5th	Sub-bituminous
	Redcliff Area							
165	Gunderson Brick & Coal Co., Ltd.	Redcliff	14	5	13	6	4th	Domestic
772	J. T. Oliphant	Medicine Hat	2	5	13	6	4th	Domestic

	Rochester Area						
1517	Thorhild Coal Co.	Thorhild, N. ½	12				
		S. ½	13	12	60	21	4th	Domestic
1548	Vollrath Bros. & Brenneis	Rochester	1	24	62	24	4th	Domestic
1554	Brown, Weeks & Waterhouse	Rochester, E. ½	9–16	13	62	24	4th	Domestic
	Saunders Area						
388	Bighorn & Saunders Creek Collieries, Ltd.	Saunders, S.E. ¼	9	24	40	13	5th	Sub-bituminous
852	Alexo Coal Co., Ltd.	Alexo, N.W. ¼	9	27	40	13	5th	Sub-bituminous
1543	Jack Fish Lake Coal Mine	Rocky Mountain House, W. ½ of S.W. ¼	4	5	41	11	5th	Sub-bituminous
	Sexsmith Area						
1525	Teepee Creek Mining Co.	Sexsmith, S.E. ¼	9	8	75	3	6th	Domestic
	Sheerness Area						
443	Chinook Coal Co., Ltd.	Sheerness	1	12	29	13	4th	Domestic
486	J. R. Hemstock	Hanna, S.W. ¼	6	29	32	13	4th	Domestic
497	W. J. Morse	Hanna	1	19	29	14	4th	Domestic
1184	H. Sward	Rose Lynn	5	35	28	13	4th	Domestic
1231	B. A. Kirkeby	Craigmyle, S.E. ¼	3	3	33	16	4th	Domestic
1236	R. J. Unsworth, R.R. No. 2	Scapa	16	25	33	14	4th	Domestic
1294	H. Finkbiner	Scapa	1	36	33	14	4th	Domestic
1314	T. E. Stubbs	Hanna	1	6	29	14	4th	Domestic
1398	Ironside & Glover	Scapa	12	5	34	13	4th	Domestic
1416	A. J. Bordula	Hanna, S.W. ¼	9	19	29	14	4th	Domestic
1432	Sheerness Coal Co., Ltd.	Sheerness	5	19	29	12	4th	Domestic
1498	Pete Prokopos	Sheerness	13	7	29	12	4th	Domestic
1553	J. Masciangelo & Partners	Delia	10	21	30	17	4th	Domestic
	Taber Area						
132	Wallwork & Hesketh	Taber, S. ½	14	7	10	16	4th	Domestic
201	Williams Coal Co.	Taber, N. ½	4	18	10	16	4th	Domestic
377	George S. Gibson	Grassy Lake, N.W. ½	4	25	9	13	4th	Domestic
448	M. Valentini	Bow Island, N. ½	3	36	11	11	4th	Domestic
672	J. Annon	Bow Island	3	27	12	10	4th	Domestic
712	Powell Coal Co.	Barnwell, N.E. ¼	8	4	10	17	4th	Domestic
1003	A. Menini	Maleb	13	6	8	10	4th	Domestic
1088	River Bend Coal Co.	Taber	7	30	10	16	4th	Domestic
1122	E. Oliver	Taber	2	1	10	17	4th	Domestic
1145	Dunn Bros.	Taber	1	13	10	17	4th	Domestic
1334	V. W. Campbell	Grassy Lake	4	26	9	13	4th	Domestic
1536	E. Oliver	Taber	2	18	10	16	4th	Domestic
1545	Mullen, Mullen & Serrie	Taber	14	1	10	17	4th	Domestic

LIST OF MINES—Continued

Mine No.	Operator	Address	Location					Character of Coal
			L.S.	S.	Tp.	Rge.	Mer.	
	Tofield Area							
215	Tredway Coal Co., Ltd.	Dodds	7	14	49	18	4th	Domestic
252	Tofield Coal Co., Ltd.	Tofield, N. ½		26	50	19	4th	Domestic
1167	D. Falvo	Dodds	15	11	49	18	4th	Domestic
1206	Ryley Coal Co.	Ryley	8	8	49	17	4th	Domestic
	Wetaskiwin Area							
1479	Greendale Coal Co.	Thorsby, N.W. ¼	2	4	48	27	4th	Domestic
1482	G. Komperdo, R.R. No. 2	Millet	6	4	48	27	4th	Domestic
1494	Thorsby Coal Co.	Thorsby	4&5	4	48	27	4th	Domestic
1534	Peter Gill, R.R. No. 2	Thorsby	2&7	3	48	27	4th	Domestic
1551	Gwynne Coal Co.	Pigeon Lake, S.E. ¼		22	46	22	4th	Domestic
	Whitecourt Area							
1474	Edward Malone	Mayerthorpe	7	15	56	9	5th	Domestic
	No Area							
1444	W. A. Sutherland & Sons	Picardville, E. ½	15					
		W. ½	16	36	58	27	4th	Domestic
1446	Westlock Coal Co.	Westlock, E. ½	15	17	60	2	5th	Domestic

A

	Page
Accidents, fatal, above ground	18
fatal, below ground	18
serious, above ground	18
serious, below ground	18
slight, above ground	18
slight, below ground	18
total number from 1906 to 1938, inclusive	81
total number in each field for 1938	81
classified according to outputs	84
tons extracted according to mines producing, per	84
tons produced in domestic coal field by districts	83
tons produced in sub-bituminous coal field by districts	83
tons produced in bituminous coal field by districts	83
comparison per 1,000,000 tons produced and per 1,000 men employed, 1915-1938 (inclusive)	82
description of each fatal	85-86
by months	87
tabulated list of total	87
tabulated and classified according to districts	88
classified in domestic fields according to cause	89-90
classified in sub-bituminous fields according to cause	90
classified in bituminous fields according to cause	91-92
classified according to mines in domestic field	93
classified according to mines in sub-bituminous field	94
classified according to mines in bituminous field	94
Alberta, annual production of coal and value of same, 1886 to 1937, inclusive (Dominion Bureau of Statistics)	11
total importation bituminous coal, 1919 to 1938, inclusive (Dominion Bureau of Statistics)	14
mineral production, 1937 and 1938 (Dominion Bureau of Statistics)	18
bricks, total used from shale mines	19
hollow tile made	19
total sales of briquettes for consumption in	21
domestic coal sold for consumption as lump, in	32
domestic coal sold for consumption as mine run, in	33
domestic coal sold for consumption as nut, in	34
domestic coal sold for consumption as slack, in	35
sub-bituminous coal sold for consumption as lump, in	35
sub-bituminous coal sold for consumption as mine run, in	36
sub-bituminous coal sold for consumption as nut, in	36
sub-bituminous coal sold for consumption as slack, in	36
bituminous coal sold for consumption as lump, in	37
bituminous coal sold for consumption as mine run, in	37
bituminous coal sold for consumption as nut, in	37
bituminous coal sold for consumption as slack, in	37
Annual production, Alberta, 1905 to 1938, inclusive	19
North-West Territories (Alberta and Saskatchewan), 1901 to 1904, inclusive	19
Annual consumption of Canadian coal, 1902 to 1937, inclusive (D.B. of S.)	12
of imported coal, 1902 to 1937, inclusive (D.B. of S.)	12
of coal per capita, 1902 to 1937, inclusive (D.B. of S.)	12
coal importation, 1919 to 1938, inclusive (D.B. of S.)	14
coal importation, monthly 1938 (D.B. of S.)	16

B

Bituminous coal, importations 1919 to 1938, inclusive (D.B. of S.)	14
monthly importations, 1938 (D.B. of S.)	16
production by districts from 1923 to 1938, inclusive	29
coal, disposition of total output by districts	23
coal, disposition of total output by months	27
total production by months during 1938	31
total output of coal by districts during each month	31
total amount of coal sold by months to railroad companies	31
lump coal for consumption in Alberta	37

	Page
mine run coal for consumption in Alberta	37
nut coal for consumption in Alberta	37
slack coal for consumption in Alberta	37
lump coal for consumption in Saskatchewan	44
mine run coal for consumption in Saskatchewan	44
nut coal for consumption in Saskatchewan	44
slack coal for consumption in Saskatchewan	44
lump coal for consumption in Manitoba	47
mine run coal for consumption in Manitoba	47
nut coal for consumption in Manitoba	47
slack coal for consumption in Manitoba	47
mine run coal for consumption in Ontario	49
nut coal for consumption in Ontario	49
slack coal for consumption in Ontario	49
lump coal for consumption in United States	51
mine run coal for consumption in United States	51
nut coal for consumption in United States	51
slack coal for consumption in United States	51
coal used under colliery boilers	52
coal used by colliery railroads	53
coal used making coke	53
coal used making briquettes	53
coal put to stock	54
lifted from stock	56
put on the waste heap	55
number of mines classified according to output	57
Bituminous mines, number of men employed at December 31st, 1938	59
number of men employed by districts classified as to occupation	59
total men employed each month by districts	61
per capita production for years 1910 to 1938, inclusive	63
per capita production by districts during 1938	65
number of days worked each month by districts	67
total shifts worked each month by districts	70-71
quantity of timber used by districts during 1938	72
particulars as to lamps used in	73
quantity of explosives used in coal	74
tons of coal produced per pound of explosives used	75
shots fired in coal in	76
miss-fires in blasting coal in	77
tons produced per accident in	83
accidents classified according to cause in	91-92
accidents classified according to mines in	94
Board of Examiners, report of	98
Bricks, output of shale used making	18-19
Bricks, total number sold	19
Bricks sold for use in Alberta, B.C., Saskatchewan and Manitoba	19
Briquettes, total production, 1938	31
Briquettes, disposition of total output, 1937 and 1938	21
British Columbia, importation bituminous coal, 1919 to 1938, inclusive	14
monthly importation bituminous coal, 1938	16
monthly importation anthracite coal, 1938	16
bricks shipped from shale mines to	19
domestic lump coal for consumption in	38
domestic mine run coal for consumption in	38
domestic nut coal for consumption in	38
domestic slack coal for consumption in	38
hollow tile shipped to	19
sub-bituminous lump coal for consumption in	39
sub-bituminous mine run coal for consumption in	39
sub-bituminous nut coal for consumption in	39
sub-bituminous slack coal for consumption in	39
bituminous lump coal for consumption in	40
bituminous mine run coal for consumption in	40
bituminous nut coal for consumption in	40
bituminous slack coal for consumption in	40

C

	Page
Canada, total monthly importation bituminous coal, 1938 (D.B. of S.)	16
total monthly importation anthracite coal, 1938 (D.B. of S.)	16
total monthly importation lignite coal, 1938 (D.B. of S.)	17
total monthly importation bituminous coal, 1919-1938 (D.B. of S.)	14
Certificates issued during 1938, first class	18
issued during 1938, second class	18
issued during 1938, third class	18
issued during 1938, mine surveyors'	18
total issued to December 31st, 1938, first class	18
total issued to December 31st, 1938, second class	18
total issued to December 31st, 1938, third class	18
total issued to December 31st, 1938, mine surveyors'	18
list of first class certificates issued, 1938	98
list of second class certificates issued, 1938	98
list of third class certificates issued, 1938	99
list of mine surveyors' certificates issued, 1938	99
number of provisionals issued	18
Chief Inspector, annual report of	5-10
Classification of output, 1901 to 1938	20
Coal, annual production and value, 1886 to 1937	11
total production in 1938	19
mines, number in operation	5-18-97
number opened	5-18-97
number re-opened	5-18-97
number abandoned	5-18-97
number closed	5-18-97
number in operation at December 31st, 1938	5-18-97
comparison of outputs by districts	29
disposition of total output, 1937 and 1938	21
domestic, disposition of total output by districts	22
domestic, disposition of total output by months	25
sub-bituminous, disposition of total output by districts	23
sub-bituminous, disposition of total output by months	26
bituminous, disposition of total output by districts	23
bituminous, disposition of total output by months	27
bituminous, used making briquettes by months	53
bituminous, used making coke by months	53
sales by provinces from 1915 to 1938	28
total production of each class by months during 1938	30-31
total production by months during 1938	24
total shipments to each province, 1937 and 1938	21
tonnage produced per pound of explosive used by districts in each field	75
produced per electrical horse-power used	80
cutting machinery, tonnage produced by	80
Coke, total production by months	31
disposition, 1937 and 1938	21
Colliery boilers, total coal used under	5-21-24
domestic coal used under	21-22-25-52
sub-bituminous coal used under	21-23-26-52
bituminous coal used under	21-23-27-52
Compressed air machines and tonnage produced by	80
Crowsnest, amount of purchased electrical power used in	6

D

Days worked each month by districts, domestic field	66
each month by districts, sub-bituminous field	67
each month by districts, bituminous field	67
Districts, names and numbers with inspectors	97
Domestic coal, disposition of total output by districts	22
disposition of total output by months	25
produced by districts from 1934 to 1938, inclusive	29
produced by months during 1938	30
total output by districts during each month	30
sold as lump for consumption in Alberta	32
sold as mine run for consumption in Alberta	33

Page

sold as nut for consumption in Alberta 34
sold as slack for consumption in Alberta 35
sold as lump for consumption in British Columbia 38
sold as mine run for consumption in British Columbia 38
sold as nut for consumption in British Columbia 38
sold as slack for consumption in British Columbia 38
sold as lump for consumption in Saskatchewan 41
sold as mine run for consumption in Saskatchewan 41
sold as nut for consumption in Saskatchewan 42
sold as slack for consumption in Saskatchewan 42
sold as lump for consumption in Manitoba 45
sold as mine run for consumption in Manitoba 45
sold as nut for consumption in Manitoba 45
sold as slack for consumption in Manitoba 45
sold as lump for consumption in Ontario 48
sold as mine run for consumption in Ontario 48
sold as nut for consumption in Ontario 48
sold as slack for consumption in Ontario 48
sold as lump for consumption in United States 50
sold as mine run for consumption in United States 50
sold as nut for consumption in United States 51
sold as slack for consumption in United States 51
used by colliery boilers 52
used by colliery railroads 53
put to stock 54
lifted from stock 56
put on the waste heap 55
lifted from the waste heap 57
per capita production for the years 1910 to 1938, inclusive 62
per capita production by districts 65
number of mines, classified according to output 57
mines, number of men employed at December 31st, 1938, in 58
number of men employed by districts classified as to occupation 58
total men employed each month by districts 60
number of days worked each month by districts 66
total number of shifts worked 70-71
total number of shifts worked above and below ground each month 68-69
quantity of timber used by districts 72
quantity of explosive used in coal 74
tons of coal produced per pound of explosive used in 75
shots fired in coal 76
miss-fires in blasting coal 77
tons of coal produced per accident 84
accidents classified according to cause 89-90
accidents classified according to mines 93
amount of purchased electrical power used in Drumheller 6

E

Edmonton District, amount of purchased electrical power used in 6
Electric Lamps, Edison type 73
Oldham type 73
Wico type 73
Ceag type 73
Wolfe type 73
Electricity, number of mines using 80
number of machines operating and tonnage produced by 80
tons produced per electrical horse-power 80
amount of purchased power used 6-18
Employees, average number above ground 18
average number below ground 18
Examinations, results of 93
Explosives, blasting coal, domestic coal field 74
blasting coal, bituminous coal field 74
blasting coal, sub-bituminous coal field 74
quantity used blasting rock 78

Page

F

Fatal accidents, above ground 18
below ground 18
Farmers' Domestic Coal Permits, output, men employed, shifts worked 19
First Class Certificates, issued in 1938 98
Fort Frances, importation bituminous coal, 1919 to 1938, inclusive 14
Fort William, importation bituminous coal, 1919 to 1938, inclusive 14
Fort Frances, monthly importation bituminous coal, 1938 16
monthly importation anthracite coal, 1938 16
Fort William, monthly importation bituminous coal, 1938 16
monthly importation anthracite coal, 1938 16

I

Introduction 5-10
Importations, anthracite, 1919 to 1938, inclusive 14
bituminous coal, 1919 to 1938, inclusive 14
monthly bituminous coal, 1938 16
monthly lignite coal, 1938 17
monthly anthracite, 1938 16
total, 1938 17
coke, 1936 to 1938, inclusive 13
Imported coal, annual consumption of 12
Inspectors, names of and districts 97

L

Lamps, number of Wolfe type 73
number of Edison electric type 73
number of Ceag electric type 73
number of Oldham electric type 73
number of Wico electric type 73
number of Kochler type 73

M

Manitoba, importation of bituminous coal 14
monthly importation of bituminous coal, 1938 16
monthly importation of anthracite coal, 1938 16
monthly importation of lignite coal, 1938 17
bricks shipped from shale mines to 19
hollow tile shipped to 19
total amount of domestic coal sold for consumption in 21
total amount of sub-bituminous coal sold for consumption in 21
total amount of bituminous coal sold for consumption in 21
domestic coal, lump, for consumption in 45
domestic coal, mine run, for consumption in 45
domestic coal, nut, for consumption in 45
domestic coal, slack, for consumption in 45
sub-bituminous coal, lump, for consumption in 46
sub-bituminous coal, mine run, for consumption in 46
sub-bituminous coal, nut, for consumption in 46
sub-bituminous coal, slack, for consumption in 46
bituminous coal, lump, for consumption in 47
bituminous coal, mine run, for consumption in 47
bituminous coal, nut, for consumption in 47
bituminous coal, slack, for consumption in 47
Men, average number employed above ground 18
average number employed below ground 18
employed at shale mines 19
total number employed at December 31st, 1938, in each field 59
employed domestic field classified according to occupation and districts 58
employed sub-bituminous field classified according to occupation and districts 59
employed bituminous field classified according to occupation and districts 59
accidents, per 1,000 men employed 82
total employed domestic field each month by districts 60
total employed sub-bituminous field each month by districts 61
total employed bituminous field each month by districts 61
Mineral production of Alberta, 1937 and 1938 18

Page

Mine air samples 6
Mines, number classified according to output 57
number in operation 5-18-97
number opened 5-18-97
number re-opened 5-18-97
number abandoned 5-18-97
number of shale in operation 18
Mine Surveyors, certificates issued in 1938 99

N

North-West Territories, sub-bituminous lump coal for consumption in 49
Number of men employed above ground (avcrage) 18
below ground (average) 18

O

Officials, number prosecuted 6-95-96
Ontario, total importations bituminous coal, 1919 to 1938, inclusive 14
total importations central, 1919 to 1938, inclusive 14
monthly importation bituminous coal, 1938 16
monthly importation anthracite, 1938 16
total and central importations, 1938 17
total amount of domestic coal sold during each month for consumption in 25
total amount of sub-bituminous coal sold during each month for consumption in 26
total amount of bituminous coal sold during each month for consumption in 27
domestic lump and mine run coal for consumption in 48
domestic nut and slack coal for consumption in 48
sub-bituminous lump coal for consumption in 49
sub-bituminous mine run coal for consumption in 49
sub-bituminous slack coal for consumption in 49
sub-bituminous nut coal for consumption in 49
bituminous mine run coal for consumption in 49
bituminous nut coal for consumption in 50
bituminous slack coal for consumption in 50
Output, North-West Territories (Alberta and Saskatchewan), 1901 to 1938, inclusive 19
classification of, 1901 to 1938, inclusive 20
comparison by districts, 1934 to 1938, inclusive 29
comparison of accidents for years 1915 to 1938, per 1,000,000 tons 82

P

Per capita consumption of coal in Canada 12
Port Arthur, importations bituminous coal, 1919 to 1938, inclusive 14
importations monthly bituminous coal, 1938 16
importations monthly anthracite coal, 1938 16
Production domestic coal by districts, 1934 to 1938, inclusive 29
sub-bituminous coal by districts, 1934 to 1938, inclusive 29
bituminous coal by districts, 1934 to 1938, inclusive 29
per capita, total from 1906 to 1938, inclusive 62
per capita, domestic, from 1910 to 1938, inclusive 62
per capita, sub-bituminous, from 1922 to 1938, inclusive 63
per capita, bituminous, from 1910 to 1938, inclusive 63
per capita, anthracite, from 1910 to 1923, inclusive 64
per capita, domestic field by districts, 1938 65
per capita, sub-bituminous field by districts, 1938 65
per capita, bituminous field by districts, 1938 65
of coal per electrical horse-power 80
total, 1937 and 1938 5-19-21-29
total disposition by provinces, 1937 and 1938 5-21
Prosecutions for contravention of The Coal-mines Regulation Act, number of 6-95-96
Provisional certificates issued, number of 18

R

Railroads, total coal sold for consumption by 5-21-24
total amount of sub-bituminous coal sold for consumption by 21-23-26-31

Page

total amount of bituminous coal sold for consumption by 21-23-27-31
Report of board of examiners 98
Rock, explosives used in coal-mines for blasting 78
number of shots fired for blasting 79
number of miss-fire shots in blasting 79

S

Safety lamps, number of Wolfe and Koehler type 73
Sales, total by provinces, 1915 to 1938, inclusive 28
total domestic by districts during each month 25
total sub-bituminous by districts during each month 26
total bituminous by districts during each month 27
Saskatchewan, importations bituminous coal, 1919 to 1938, inclusive 14
monthly importations bituminous coal, 1938 16
monthly importations anthracite coal, 1938 16
monthly importations lignite coal, 1938 17
bricks shipped from shale mines to 19
hollow tile shipped to 19
total amount of domestic coal sold for consumption in 21
total amount of sub-bituminous coal sold for consumption in 21
total amount of bituminous coal sold for consumption in 21
domestic coal sold as lump for consumption in 41
domestic coal sold as mine run for consumption in 41
domestic coal sold as nut for consumption in 42
domestic coal sold as slack for consumption in 42
sub-bituminous coal sold as lump for consumption in 43
sub-bituminous coal sold as mine run for consumption in 43
sub-bituminous coal sold as nut for consumption in 43
sub-bituminous coal sold as slack for consumption in 43
bituminous coal sold as lump for consumption in 43
bituminous coal sold as mine run for consumption in 43
bituminous coal sold as nut for consumption in 43
bituminous coal sold as slack for consumption in 43
Second class certificates, issued in 1938 98
Serious accidents, above ground 18
below ground 18
Shale, total production, 1938 19
number of mines in operation 5-18
Shots, fired blasting coal in each field in districts 76
miss-fires in blasting coal in each field by districts 77
fired in blasting rock in coal mines 79
miss-fires blasting rock in coal mines 79
Stock, total coal put to 5-21-24
total coal lifted from 5-21-24
domestic coal put to 21-25-54
sub-bituminous coal put to 21-26-54
bituminous coal put to 21-27-54
domestic coal lifted from 21-25-56
sub-bituminous coal lifted from 21-26-56
bituminous coal lifted from 21-27-56
Sub-bituminous coal, disposition of total output by districts 23
disposition of total output by months 26
production by districts from 1934 to 1938, inclusive 29
production by months during 1938 30
total output by districts during each month 30
total amount sold for consumption in Alberta 21-23
total amount sold to railroads 21-23
sold as lump for consumption in Alberta 35
sold as mine run for consumption in Alberta 36
sold as nut for consumption in Alberta 36
sold as slack for consumption in Alberta 36
sold as lump for consumption in British Columbia 39
sold as mine run for consumption in British Columbia 39
sold as nut for consumption in British Columbia 39
sold as slack for consumption in British Columbia 39
sold as lump for consumption in Saskatchewan 43

Page

sold as mine run for consumption in Saskatchewan 43
sold as nut for consumption in Saskatchewan 43
sold as slack for consumption in Saskatchewan 43
sold as lump for consumption in Manitoba 46
sold as mine run for consumption in Manitoba 46
sold as nut for consumption in Manitoba 46
sold as slack for consumption in Manitoba 46
sold as lump for consumption in Ontario 49
sold as nut for consumption in Ontario 49
sold as slack for consumption in Ontario 49
used under colliery boilers 52
used by colliery railroads 52
put to stock 54
lifted from stock 56
put on the waste heap 55
lifted from the waste heap 57
number of mines classified according to output 57
mines, number of men employed at December 31st, 1938 59
number of men employed by districts classified as to occupation 59
total men employed each month by districts 61
per capita production for years 1922 to 1938, inclusive 63
per capita production for year 1938 65
number of days worked each month by districts 67
number of shifts worked each month by districts 70-71
quantity of timber used by districts 72
quantity of explosives used in coal 74
tons of coal produced per pound of explosive used 75
number of shots fired blasting coal 76
number of miss-fire shots in blasting coal 77
coal, tons produced per accident 83
mines, accidents classified according to cause in 90
districts, accidents classified according to mines in 94
Summary of statistics 18

T

Third class certificates, issued in 1938 99
Timber, quantity used in the domestic coal field 72
quantity used in the sub-bituminous coal field 72
quantity used in the bituminous coal field 72
Tile, hollow, production and distribution 19

U

United States, total amount of domestic coal sold for consumption in 21-22-25
total amount of sub-bituminous coal sold for consumption in 21-23-26
total amount of bituminous coal sold for consumption in 21-23-27
domestic coal, lump, sold for consumption in 50
domestic coal, mine run, sold for consumption in 50
domestic coal, nut, sold for consumption in 51
domestic coal, slack, sold for consumption in 51
bituminous coal, lump, sold for consumption in 51
bituminous coal, mine run, sold for consumption in 51
bituminous coal, nut, sold for consumption in 51
bituminous coal, slack, sold for consumption in 51
total coal sold for consumption in 1938 21

V

Value of annual output of Alberta coal, 1886 to 1936, inclusive 11

W

Waste heap, total coal put on 5-21-24
total coal lifted from 5-21-24
domestic coal put on 21-22-25-55
sub-bituminous coal put on 21-23-26-55
bituminous coal put on 21-23-27-55
domestic coal lifted from 21-22-25-57
sub-bituminous coal lifted from 21-23-26-57
Workmen, number prosecuted 6-95-96